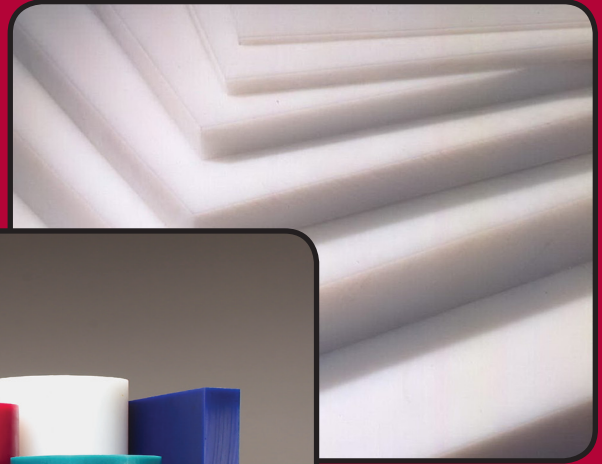


# ARTEK

**DURAVAR<sup>®</sup> UHMW-PE**  
ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE



**DISTRIBUTOR PRODUCT GUIDE**



# WELCOME TO ARTEK

*Manufacturer of Duravar® Ultra-High Molecular Weight Polyethylene*



**DEPENDABLE QUALITY • RELIABLE SUPPORT • FAITHFUL SERVICE**

## Virgin & Reprocessed Color:

Standard Color for most Virgin products is natural. Virgin and Reprocessed materials are both available in selected colors. A wide variety of Special Colors and FDA Colors are also available to meet your application requirements.

## Optional Product Lengths:

Most items such as Angle, Channel, Chain Guide and Guide Rail are available from inventory in standard 10 foot lengths. While some Standard Profile Shapes may also be available in 100 foot coils. Most of Artek's shapes can be extruded to any desired length on a special order basis.

## Duravar® Formulations:

Artek has the capability to produce and provide modified or enhanced formulations to improve application performance. Some of these enhancements include UV-Stabilization, Static Reduction, Improved Coefficient of Friction, and Increased Abrasion Resistance.

## Custom Profiles:

Artek's specialized capabilities include the production and design of custom proprietary profile dies. Artek's engineering staff is available to provide technical assistance, service and support in designing a special profile related to cost efficient tooling and production.

**Artek is continually adding new extruded UHMW-PE Profile shapes to our product line.  
If the custom or standard profile you need does not appear here, please give our sales team a call.**



# WELCOME TO ARTEK

*Manufacturer of Duravar® Ultra-High Molecular Weight Polyethylene*

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### Commitment To Quality, Support and Service

Artek Inc., a manufacturer of Ultra-High Molecular Weight Polyethylene was incorporated in 1985 with a purpose to produce and sell a quality, high performance polymer called Duravar UHMW-PE. Artek continuously strives to satisfy the customer needs, and is committed to meeting their daily challenges by providing dependable quality, reliable support and faithful service.

**Thank You for being a part of the “Artek Team”**



# DURAVAR® Extruded Rod Stock

*Ultra-High Molecular Weight Polyethylene*

PRODUCT CODE	DIAMETER NOMINAL	WEIGHT LBS./FT.
RD-100	1/4"	.02
RD-101	3/8"	.04
RD-102	1/2"	.08
RD-103	5/8"	.13
RD-104	3/4"	.19
RD-105	7/8"	.25
RD-106	1"	.35
RD-107	1-1/8"	.42
RD-108	1-1/4"	.54
RD-109	1-3/8"	.63
RD-110	1-1/2"	.80
RD-112	1-3/4"	1.05
RD-114	2"	1.38
RD-116	2-1/4"	1.73
RD-117	2-3/8"	1.85

PRODUCT CODE	DIAMETER NOMINAL	WEIGHT LBS./FT.
RD-118	2-1/2"	2.06
RD-120	2-3/4"	2.56
RD-122	3"	3.13
RD-124	3-1/4"	3.52
RD-126	3-1/2"	4.12
RD-128	3-3/4"	4.73
RD-130	4"	5.39
RD-132	4-1/4"	6.05
RD-134	4-1/2"	6.77
RD-138	5"	8.26
RD-142	5-1/2"	10.26
RD-146	6"	12.18
RD-148	7"	16.96
RD-150	8"	22.54



Formulations : Virgin Natural & Virgin Color  
Reprocessed Blends  
Enhanced Formulations

Colors : All Standard Colors Meet FDA Requirements  
Custom Color Matching Available

Lengths : Standard = 120" Lengths  
Custom = Up To 40 ft. Lengths





# DURAVAR®

## Dowelled Rod Stock

*Ultra-High Molecular Weight Polyethylene*

PRODUCT CODE	DIAMETER NOMINAL	WEIGHT LBS./FT.	DOWELLED STANDARD TOLERANCE	DOWELLED PREMIUM TOLERANCE	DOWELLED CONCENTRICITY TOLERANCE
RD-106D	1"	.35	(+/-) .010"	(+/-) .005"	(+/-) .003"
RD-107D	1-1/8"	.42	(+/-) .010"	(+/-) .005"	(+/-) .003"
RD-108D	1-1/4"	.54	(+/-) .010"	(+/-) .005"	(+/-) .003"
RD-109D	1-3/8"	.63	(+/-) .010"	(+/-) .005"	(+/-) .003"
RD-110D	1-1/2"	.80	(+/-) .010"	(+/-) .005"	(+/-) .003"
RD-112D	1-3/4"	1.05	(+/-) .010"	(+/-) .005"	(+/-) .003"
RD-114D	2"	1.38	(+/-) .010"	(+/-) .005"	N/A
RD-116D	2-1/4"	1.73	(+/-) .010"	(+/-) .005"	N/A
RD-117D	2-3/8"	1.85	(+/-) .010"	(+/-) .005"	N/A
RD-118D	2-1/2"	2.06	(+/-) .010"	(+/-) .005"	N/A
RD-120D	2-3/4"	2.56	(+/-) .010"	N/A	N/A
RD-122D	3"	3.13	(+/-) .010"	N/A	N/A

- Formulations : Virgin Natural & Virgin Color  
Reprocessed Blends  
Enhanced Formulations
- Colors : All Standard Colors Meet FDA Requirements  
Custom Color Matching Available
- Lengths : Standard = 120" Lengths  
Custom = Up To 20 ft. Lengths
- Notation : Duravar Dowelled Rod Stock is machined to close diameter tolerances with excellent roundness. Artek's Dowelled Rod Stock offers excellent surface finish, which reduces the need to perform a secondary finishing process.

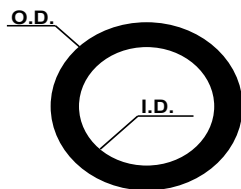




# DURAVAR® Tubing Stock

*Ultra-High Molecular Weight Polyethylene*

PRODUCT CODE	OUTSIDE DIAMETER (F)	OUTSIDE DIAMETER (D)	INSIDE DIAMETER (F)	INSIDE DIAMETER (D)	WEIGHT LBS./FT.
TU-101	1-1/4"	1.250	3/8"	0.390	.46
TU-104	1-1/4"	1.250	3/4"	0.750	.32
TU-102	1-1/2"	1.500	1"	1.000	.46
TU-103	1-1/2"	1.500	1-1/4"	1.250	.26
TU-201	2"	2.000	1"	1.000	.98
TU-202	2"	2.000	1-1/4"	1.250	.80
TU-203	2"	2.000	1-1/2"	1.500	.57
TU-204	2"	2.000	1-3/4"	1.750	.31
TU-301	3-1/4"	3.250	2"	2.000	2.15



Formulations : Virgin Natural, Virgin Color, Reprocessed Blends & Enhanced Formulations  
 Colors : All Standard Colors Meet FDA Requirements  
               Custom Color Matching Available  
 Lengths : Standard = 120" Lengths - Custom = Available upon special request



# DURAVAR®

## Full Sheet - Extruded/Skived

*Ultra-High Molecular Weight Polyethylene*

PRODUCT CODE	THICKNESS NOMINAL	WIDTH NOMINAL	8 FT. SHEET LBS./ 96"SHT.	10 FT. SHEET LBS./120" SHT.
FS-012	1/8"	48"	20	25
FS-018	3/16"	48"	30	38
FS-025	1/4"	48"	40	50
FS-037	3/8"	48"	60	75
FS-050	1/2"	48"	80	100
FS-062	5/8"	48"	100	125
FS-075	3/4"	48"	120	150
FS-087	7/8"	48"	140	175
FS-100	1"	48"	160	200
FS-125	1-1/4"	48"	200	250
FS-150	1-1/2"	48"	240	300
FS-175	1-3/4"	48"	280	350
FS-200	2"	48"	320	400

Formulations : Full Sheet is currently available in Virgin Natural, Virgin Black, and Reprocessed Black.  
Virgin Colors Now Available in Certain Sizes

Tolerances : Thickness of 1/8" & 3/16" = (+/-) .025"  
Thickness of 1/4" to 2" = (+) .020"/ (-) .030"  
Width & Length = (+) .500"/ (-) .000"

Notation : Artek's "Post-Annealing" Process reduces material stress, improves productivity, and minimizes waste when cutting this prime material into blocks or strips. Artek's Full Sheet has excellent Surface Finish and Thickness Consistency.



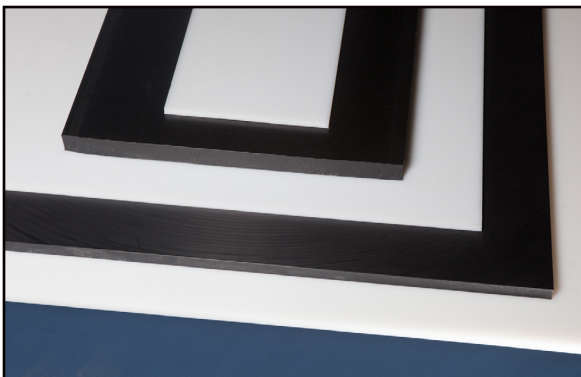


# DURAVAR®

## Extruded Half Sheet <sup>Plus</sup>

*Ultra-High Molecular Weight Polyethylene*

PRODUCT CODE	THICKNESS NOMINAL	WIDTH NOMINAL	WEIGHT LBS./L.F.
HS-349	3/4"	24.75"	7.74
HS-350	1"	24.75"	10.31
HS-353	1-1/4"	24.75"	12.89
HS-356	1-1/2"	24.75"	15.47
HS-359	1-3/4"	24.75"	18.05
HS-362	2"	24.75"	20.63
HS-365	2-1/4"	24.75"	23.20
HS-368	2-1/2"	24.75"	25.78
HS-371	2-3/4"	24.75"	28.36
HS-374	3"	24.75"	30.94
HS-375	3-1/4"	24.75"	33.52
HS-376	3-1/2"	24.75"	36.09
HS-377	3-3/4"	24.75"	38.67
HS-378	4"	24.75"	41.25



- Formulations : Virgin Natural & Virgin Color  
Reprocessed Blends  
Enhanced Formulations
- Colors : All Standard Colors Meet FDA Requirements  
Custom Color Matching Available
- Lengths : Standard = 120" Lengths  
Custom = Up To 40 ft. Lengths





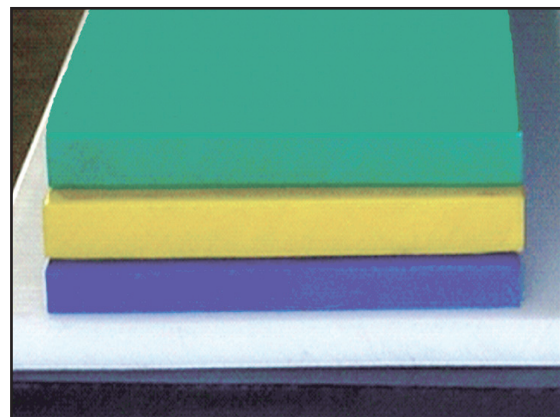
# DURAVAR®

## Extruded Quarter Sheet

*Ultra-High Molecular Weight Polyethylene*

PRODUCT CODE		THICKNESS NOMINAL		WIDTH NOMINAL		WEIGHT LBS./L.F.
QS-326		3/8"		12"		1.88
QS-327		1/2"		12"		2.50
QS-328		5/8"		12"		3.13
QS-329		3/4"		12"		3.75
QS-330		7/8"		12"		4.38
QS-331		1"		12"		5.00
QS-333		1-1/4"		12"		6.25
QS-335		1-1/2"		12"		7.50
QS-337		1-3/4"		12"		8.75
QS-339		2"		12"		10.00

- Formulations : Virgin Natural & Virgin Color  
Reprocessed Blends  
Enhanced Formulations
- Colors : All Standard Colors Meet FDA Requirements  
Custom Color Matching Available
- Lengths : Standard = 120" Lengths  
Custom = Up To 40 ft. Lengths
- Notation : Quarter Sheet is extruded to close thickness and width tolerances designed to eliminate excessive machining to nominal dimensions.



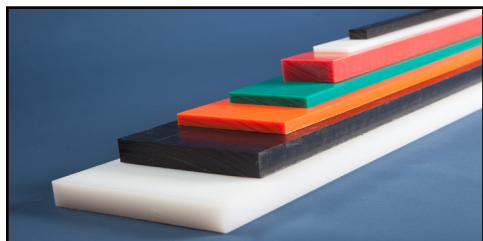


# DURAVAR® Extruded Flat Stock

*Ultra-High Molecular Weight Polyethylene*

1/8" Through 1/4" Thicknesses Are Represented On This Page

PRODUCT CODE	THICKNESS NOMINAL	WIDTH NOMINAL	WEIGHT LBS./L.F.
FB-257	1/8"	1/2"	.03
FB-258	1/8"	3/4"	.04
FB-259	1/8"	1"	.05
FB-260	1/8"	1-1/2"	.08
FB-264	1/8"	2"	.10
FB-266	1/8"	2-1/2"	.13
FB-268	1/8"	3"	.16
FB-269	1/8"	4"	.21
FB-270	1/8"	5"	.26
FB-271	1/8"	6"	.31
FB-200	1/4"	1/4"	.03
FB-202	1/4"	1/2"	.05
FB-216	1/4"	3/4"	.08
FB-204	1/4"	1"	.10
FB-207	1/4"	1-1/4"	.13



- Formulations : Virgin Natural & Virgin Color  
Reprocessed Blends  
Enhanced Formulations
- Colors : All Standard Colors Meet FDA Requirements  
Custom Color Matching Available
- Notation : Coils are available up to 250 ft. from 1/4" thickness  
up through 1/2" thickness upon request



# DURAVAR®

## Extruded Flat Stock

*Ultra-High Molecular Weight Polyethylene*

1/4" Through 3/8" Thicknesses Are Represented On This Page

PRODUCT CODE	THICKNESS NOMINAL	WIDTH NOMINAL	WEIGHT LBS./L.F.
FB-208	1/4"	1-1/2"	.16
FB-201	1/4"	2"	.21
FB-299	1/4"	2-1/2"	.26
FB-203	1/4"	3"	.31
FB-256	1/4"	4"	.41
FB-205	1/4"	5"	.52
FB-206	1/4"	6"	.62
FB-214	1/4"	7"	.72
FB-303	3/8"	3/8"	.06
FB-272	3/8"	1/2"	.08
FB-273	3/8"	3/4"	.12
FB-217	3/8"	1"	.16
FB-218	3/8"	1-1/2"	.23
FB-219	3/8"	2"	.31
FB-210	3/8"	2-1/2"	.39

- Formulations : Virgin Natural & Virgin Color  
Reprocessed Blends  
Enhanced Formulations
- Colors : All Standard Colors Meet FDA Requirements  
Custom Color Matching Available
- Notation : Coils are available up to 250 ft. from 1/4" thickness  
up through 1/2" thickness upon request





# DURAVAR® Extruded Flat Stock

*Ultra-High Molecular Weight Polyethylene*

3/8" Through 1/2" Thicknesses Are Represented On This Page

PRODUCT CODE	THICKNESS NOMINAL	WIDTH NOMINAL	WEIGHT LBS./L.F.
FB-211	3/8"	2-5/8"	.41
FB-212	3/8"	3"	.47
FB-209	3/8"	3-1/4"	.50
FB-213	3/8"	4"	.62
FB-274	3/8"	5"	.78
FB-215	3/8"	6"	.93
FB-275	1/2"	1/2"	.10
FB-220	1/2"	3/4"	.16
FB-233	1/2"	1"	.21
FB-234	1/2"	1-3/8"	.28
FB-236	1/2"	1-1/2"	.31
FB-221	1/2"	2"	.41
FB-222	1/2"	2-1/2"	.52
FB-223	1/2"	2-5/8"	.54
FB-224	1/2"	3"	.62



- Formulations : Virgin Natural & Virgin Color  
Reprocessed Blends  
Enhanced Formulations
- Colors : All Standard Colors Meet FDA Requirements  
Custom Color Matching Available
- Notation : Coils are available up to 250 ft. from 1/4" thickness up through 1/2" thickness upon request



# DURAVAR®

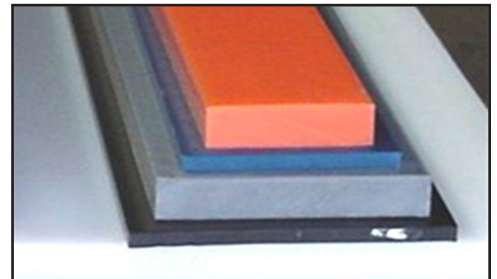
## Extruded Flat Stock

*Ultra-High Molecular Weight Polyethylene*

1/2" Through 3/4" Thicknesses Are Represented On This Page

PRODUCT CODE	THICKNESS NOMINAL	WIDTH NOMINAL	WEIGHT LBS./L.F.
FB-225	1/2"	3-1/2"	.72
FB-229	1/2"	4"	.83
FB-226	1/2"	5"	1.03
FB-227	1/2"	6"	1.24
FB-228	1/2"	6-5/32"	1.27
FB-298	5/8"	5/8"	.16
FB-230	5/8"	1-3/8"	.36
FB-231	5/8"	2-5/8"	.68
FB-232	5/8"	3"	.78
FB-235	5/8"	4"	1.03
FB-237	5/8"	6"	1.55
FB-238	3/4"	3/4"	.23
FB-239	3/4"	1"	.31
FB-241	3/4"	1-1/2"	.47
FB-240	3/4"	2"	.62

- Formulations : Virgin Natural & Virgin Color  
Reprocessed Blends  
Enhanced Formulations
- Colors : All Standard Colors Meet FDA Requirements  
Custom Color Matching Available
- Notation : Coils are available up to 250 ft. from 1/4" thickness  
up through 1/2" thickness upon request





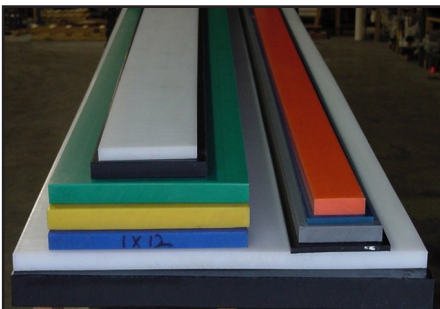


# DURAVAR® Extruded Flat Stock

*Ultra-High Molecular Weight Polyethylene*

3/4" Through 1" Thicknesses Are Represented On This Page

PRODUCT CODE	THICKNESS NOMINAL	WIDTH NOMINAL	WEIGHT LBS./L.F.
FB-276	3/4"	2-1/2"	.78
FB-277	3/4"	2-5/8"	.81
FB-242	3/4"	3"	.93
FB-278	3/4"	4"	1.24
FB-244	3/4"	5"	1.55
FB-245	3/4"	6"	1.86
FB-246	3/4"	6-11/16"	2.08
FB-261	1"	1"	.41
FB-279	1"	1-1/4"	.52
FB-255R	1"	1-1/2"	.62
FB-255S	1"	1-1/2"	.62
FB-248	1"	2"	.83
FB-249	1"	2-1/2"	1.03
FB-262	1"	3"	1.24
FB-263	1"	4"	1.66



- Formulations : Virgin Natural & Virgin Color  
Reprocessed Blends  
Enhanced Formulations
- Colors : All Standard Colors Meet FDA Requirements  
Custom Color Matching Available
- Notation : Coils are available up to 250 ft. from 1/4" thickness  
up through 1/2" thickness upon request



# DURAVAR®

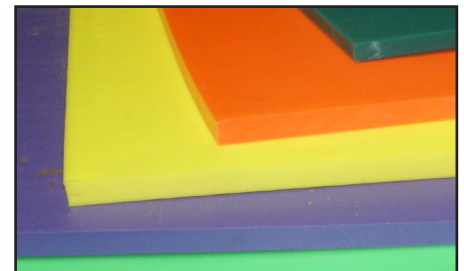
## Extruded Flat Stock

*Ultra-High Molecular Weight Polyethylene*

**1" Through 1-3/4" Thicknesses Are Represented On This Page**

PRODUCT CODE	THICKNESS NOMINAL	WIDTH NOMINAL	WEIGHT LBS./L.F.
FB-265	1"	5"	2.07
FB-243	1"	6"	2.48
FB-267	1"	7"	2.90
FB-247	1-1/4"	1-1/4"	.65
FB-280	1-3/8"	1-1/2"	.85
FB-250	1-1/2"	1-1/2"	.93
FB-251	1-1/2"	2"	1.24
FB-252	1-1/2"	2-1/2"	1.55
FB-253	1-1/2"	3"	1.86
FB-254	1-1/2"	4"	2.48
FB-281	1-1/2"	5"	3.10
FB-282	1-1/2"	6"	3.72
FB-284	1-1/2"	7-3/4"	4.81
FB-288	1-1/2"	11"	6.83
FB-283	1-3/4"	1-3/4"	1.27

- Formulations : Virgin Natural & Virgin Color  
Reprocessed Blends  
Enhanced Formulations
- Colors : All Standard Colors Meet FDA Requirements  
Custom Color Matching Available
- Notation : Coils are available up to 250 ft. from 1/4" thickness  
up through 1/2" thickness upon request



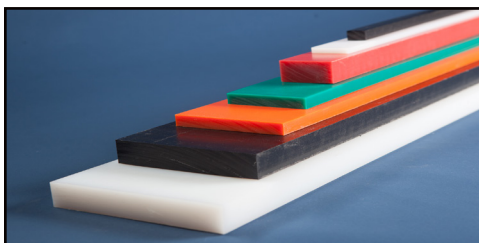


# DURAVAR® Extruded Flat Stock

*Ultra-High Molecular Weight Polyethylene*

2" Through 3" Thicknesses Are Represented On This Page

PRODUCT CODE	THICKNESS NOMINAL	WIDTH NOMINAL	WEIGHT LBS./L.F.
FB-294	2"	2"	1.66
FB-295	2"	2-1/2"	2.07
FB-296	2"	3"	2.48
FB-290	2"	4"	3.31
FB-291	2"	5"	4.14
FB-292	2"	6"	4.97
FB-285	2-1/4"	2-1/4"	2.09
FB-303	2-1/2"	2-1/2"	2.60
FB-286	2-1/2"	4"	4.14
FB-287	2-1/2"	5"	5.17
FB-289	2-1/2"	6"	6.21
FB-300	3"	3"	3.72
FB-301	3"	4"	4.97
FB-302	3"	5"	6.21
FB-297	3"	6"	7.45
FB-293	3"	7"	8.69



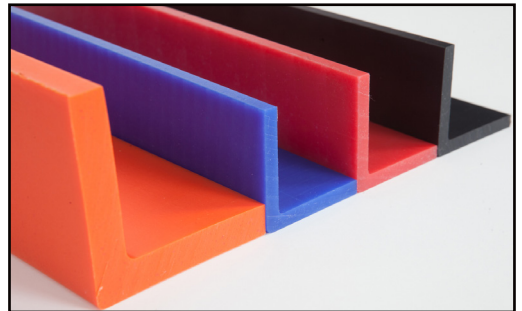
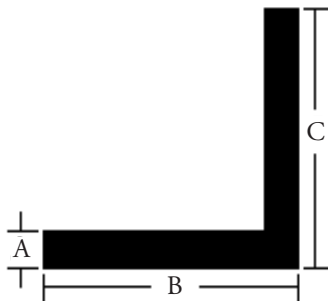
- Formulations : Virgin Natural & Virgin Color  
Reprocessed Blends  
Enhanced Formulations
- Colors : All Standard Colors Meet FDA Requirements  
Custom Color Matching Available
- Notation : Coils are available up to 250 ft. from 1/4" thickness  
up through 1/2" thickness upon request



# DURAVAR® Angle Profile

*Ultra-High Molecular Weight Polyethylene*

PRODUCT CODE	"A" DIM.	"B" DIM.	"C" DIM.	WEIGHT LBS./FT.
AG-405	1/8"	1"	1"	.103
AG-410	1/4"	5/8"	1-1/2"	.193
AG-415	1/4"	1"	1"	.205
AG-417	1/4"	1-1/4"	1-1/4"	.256
AG-420	1/4"	1-1/2"	1-1/2"	.300
AG-425	1/4"	2"	2"	.410
AG-440	3/8"	1"	1"	.254
AG-442	3/8"	1-1/2"	1-1/2"	.410
AG-444	3/8"	2"	2"	.567
AG-446	3/8"	2-1/2"	2-1/2"	.723
AG-447	3/8"	2"	3"	.723
AG-449	3/8"	3"	3"	.879
AG-426	1/2"	1-1/2"	1-1/2"	.621
AG-427	1/2"	2"	2"	.827
AG-428	1/2"	2"	6"	1.550
AG-430	1/2"	3"	3"	1.190
AG-431	1/2"	3-1/2"	3-1/2"	1.390
AG-435	3/4"	3"	3"	1.790



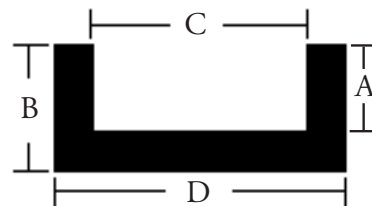
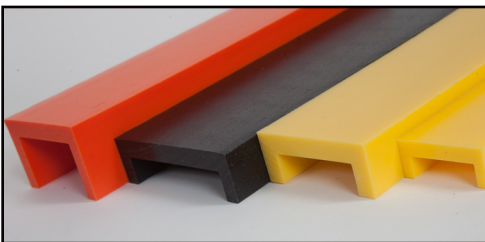
Formulations : Virgin Natural, Virgin Color, Reprocessed Blends & Enhanced Formulations  
 Colors : All Standard Colors Meet FDA Requirements. Custom Color Matching Available  
 Lengths : Standard = 120" Lengths - Custom = Available upon special request



# DURAVAR® Channel Profile

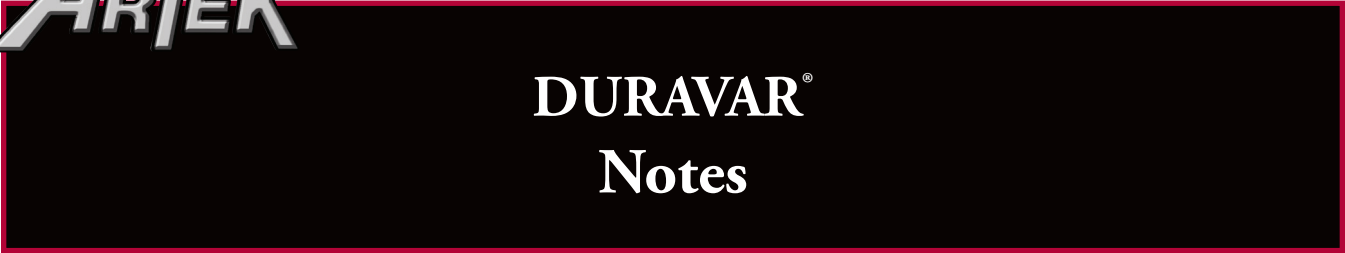
*Ultra-High Molecular Weight Polyethylene*

PRODUCT CODE	"A" DIM.	"B" DIM.	"C" DIM.	"D" DIM.	WEIGHT LBS./FT.
CH-461	1/2"	7/8"	1-7/16"	1-15/16"	.41
CH-462	5/8"	1"	2"	2-1/2"	.52
CH-460	3/4"	1"	3"	3-1/2"	.52
CH-463	1-1/4"	1-1/2"	3"	3-1/2"	.63
CH-465	3/4"	1"	3-1/2"	4"	.58
CH-470	3/4"	1-1/4"	2-1/8"	3"	.92
CH-446	3/4"	1-1/4"	2-5/8"	3-1/2"	1.00
CH-475	3/4"	1-1/4"	2-1/2"	3"	.78
CH-480	3/4"	1-1/4"	3-1/4"	4"	1.07
CH-473	3/4"	1-1/4"	2-1/4"	3"	.86
CH-472	13/16"	1-3/16"	1-9/16"	2"	.94
CH-474	1-1/2"	2"	2-1/4"	3"	1.04



Formulations : Virgin Natural, Virgin Color, Reprocessed Blends & Enhanced Formulations  
 Colors : All Standard Colors Meet FDA Requirements. Custom Color Matching Available  
 Lengths : Standard = 120" Lengths - Custom = Available upon special request





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