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Styron® HI

 Placeholder photo for Styron® HI

INDUSTRY



Engineering

COLORS AVAILABLE



ATTRIBUTES



Dimensional Stability



SHAPES

Compression Sheet



Extruded Film



Extruded Rod





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TECHNICAL SPECIFICATIONS

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Flexural Modulus	D790	275 kpsi	1,900 MPa
Flexural Strength - 5%	D790	5.2 kpsi	36 MPa
Izod Impact, notched	D256	1.77 ft-lb/in	95 J/m
Tensile Elongation @ Break	D638	65.00 %	65.00 %
Tensile Modulus	D638	275 kpsi	1,900 MPa
Tensile Strength @ Break	D638	3.7 kpsi	25.5 MPa
Tensile Strength @ Yield	D638	3.9 kpsi	27 MPa
Thermal			
HDT @ 264 psi	D648	174 °F	79 °C
HDT @ 64 psi	D648	192 °F	89 °C
Physical			
Specific Gravity	D792	1.04	1.04

SIZING

Rod Sizing

48" Length

0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)	1.5" (38.1mm)	1.75" (44.45mm)
2" (50.8mm)	2.25" (57.15mm)	2.5" (63.5mm)	2.75" (69.85mm)	3" (76.2mm)	3.25" (82.55mm)
3.5" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	4.25" (107.95mm)	4.5" (114.3mm)	4.75" (120.65mm)

96" Length

0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)	1.5" (38.1mm)	1.75" (44.45mm)
2" (50.8mm)	2.25" (57.15mm)	2.5" (63.5mm)	2.75" (69.85mm)	3" (76.2mm)	3.25" (82.55mm)
3.5" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	4.25" (107.95mm)	4.5" (114.3mm)	4.75" (120.65mm)



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Compression Sheet Sizing

48" Length by 24" Width

0.25" (6.35mm)	0.375" (9.53mm)	0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)
1.5" (38.1mm)	1.75" (44.45mm)	2" (50.8mm)	2.25" (57.15mm)	2.5" (63.5mm)	2.75" (69.85mm)
3" (76.2mm)	3.25" (82.55mm)	3.5" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	

96" Length by 48" Width

0.25" (6.35mm)	0.375" (9.53mm)	0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)
1.5" (38.1mm)	1.75" (44.45mm)	2" (50.8mm)	2.25" (57.15mm)	2.5" (63.5mm)	2.75" (69.85mm)
3" (76.2mm)	3.25" (82.55mm)	3.5" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	

120" Length by 48" Width

0.25" (6.35mm)	0.375" (9.53mm)	0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)
1.5" (38.1mm)	1.75" (44.45mm)	2" (50.8mm)	2.25" (57.15mm)	2.5" (63.5mm)	2.75" (69.85mm)
3" (76.2mm)	3.25" (82.55mm)	3.5" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	

120" Length by 60" Width

0.25" (6.35mm)	0.375" (9.53mm)	0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)
1.5" (38.1mm)	1.75" (44.45mm)	2" (50.8mm)	2.25" (57.15mm)	2.5" (63.5mm)	2.75" (69.85mm)
3" (76.2mm)	3.25" (82.55mm)	3.5" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	

Film Sizing

26" Width

0.002" (0.05mm)	0.003" (0.08mm)	0.004" (0.1mm)	0.005" (0.13mm)	0.010" (0.25mm)	0.020" (0.51mm)
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LAST REVISED: 06/06/2022

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