



SCHULINK[®] XL 350-S

Crosslinked Polyethylene Rotomolding

General			
Material Status	Commercial: Active		
Availability	 North America 		
Features	 UV Stabilized 		
Appearance	Black	Natural Color	
Forms	 Pellets 	Powder	
Processing Method	 Rotational Molding 		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity ¹	0.944	0.942 g/cm ³	ASTM D792
Environmental Stress-Cracking Resistance (ESCR)			ASTM D1693
100% Igepal, Compression Molded, F50	> 1000 hr	> 1000 hr	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ² (Yield, Rotational Molded)	2800 psi	19.3 MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Break, Rotational Molded	350 %	350 %	
Flexural Modulus - 1% Secant (Rotational Molded)	102000 psi	703 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Impact Strength			ARM
-40°F (-40°C), 0.125 in (3.18 mm), Rotational Molded	61 ft·lb	83 J	
-40°F (-40°C), 0.250 in (6.35 mm), Rotational Molded	> 185 ft·lb	> 251 J	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed, Rotational Molded	145 °F	63.0 °C	
264 psi (1.8 MPa), Unannealed, Rotational Molded	97.5 °F	36.4 °C	
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (Any Color)	НВ	НВ	UL 94

Notes

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¹ Compression Molded

² 2.0 in/min (51 mm/min)