



# SCHULINK<sup>®</sup> 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 <sup>1</sup>	0.944	0.942 g/cm <sup>3</sup>	ASTM D792
Environmental Stress-Cracking Resistance (ESCR) 100% Igepal, Compression Molded, F50	> 1000 hr	> 1000 hr	ASTM D1693

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength <sup>2</sup> (Yield, Rotational Molded)	2800 psi	19.3 MPa	ASTM D638
Tensile Elongation <sup>2</sup> Break, Rotational Molded	350 %	350 %	ASTM D638
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)	HB	HB	UL 94

## Notes

<sup>1</sup> Compression Molded

<sup>2</sup> 2.0 in/min (51 mm/min)