

Technical Data Sheet

Schulink XL 350-S

Crosslinked Polyethylene
LyondellBasell Industries
Rotomolding

General			
Features	<ul style="list-style-type: none"> • UV Stabilized 		
Uses	<ul style="list-style-type: none"> • Agricultural Applications • Automotive Under the Hood 	<ul style="list-style-type: none"> • High Temperature Applications • Lawn and Garden Equipment 	<ul style="list-style-type: none"> • Tanks
Appearance	<ul style="list-style-type: none"> • Black • Natural Color 		
Forms	<ul style="list-style-type: none"> • Pellets • Powder 		
Processing Method	<ul style="list-style-type: none"> • 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) 100% Igepal, Compression Molded, F50	> 1000 hr	> 1000 hr	ASTM D1693

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 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

- ¹ Compression Molded
- ² 2.0 in/min (51 mm/min)

Notes

These are typical property values not to be construed as specification limits.