

Technical Data Sheet



Schulink XL 350

Crosslinked Polyethylene
LyondellBasell Industries
Rotomolding

General			
Material Status	• Commercial: Active		
Availability	• North America		
Features	• UV Stabilized		
Uses	• Agricultural Applications • Automotive Under the Hood • High Temperature Applications • Lawn and Garden Equipment • Tanks		
Appearance	• Black		
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) 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 -40°F (-40°C), 0.125 in (3.18 mm), Rotational Molded	61 ft·lb	83 J	ARM
-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 66 psi (0.45 MPa), Unannealed, Rotational Molded	145 °F	63.0 °C	ASTM D648
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.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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