

Technical Data Sheet

**Schulink XL 351**

Crosslinked Polyethylene
LyondellBasell Industries
Rotomolding

General			
Material Status	• Commercial: Active		
Availability	• North America		
Features	• UV Stabilized		
Uses	• Agricultural Applications • High Temperature Applications • Automotive Under the Hood • Lawn and Garden Equipment • Tanks		
Appearance	• Colors Available		
Forms	• 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
10% Igepal, Compression Molded, F50	1000 hr	1000 hr	
100% Igepal, Compression Molded, F50	1000 hr	1000 hr	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ² (Yield, Rotational Molded)	2750 psi	19.0 MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Break, Rotational Molded	500 %	500 %	
Flexural Modulus - 1% Secant (Rotational Molded)	100000 psi	689 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	60 ft·lb	81 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	144 °F	62.0 °C	
264 psi (1.8 MPa), Unannealed, Rotational Molded	95.2 °F	35.1 °C	

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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