Technical Data Sheet

Schulink XL 351

Crosslinked Polyethylene
LyondellBasell Industries
Rotomolding

General			
Features	• UV Stabilized		
Uses	• Agricultural Applications • Automotive Under the Hood	• High Temperature Applications • 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/cm³	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.