

Garathane™ X 94-350-B NAT UV-DG2

Polyurethane (Polyether based)

AlphaGary

Message:

GARATHANE X 94-350-B UV-DG2 IS A 90°C RATED, LEAD FREE, FLAME RETARDED POLYETHER-BASED POLYURETHANE.

General Information			
Features	Flame Retardant		
	Low (to None) Lead Content		
RoHS Compliance	Contact Manufacturer		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40 to 1.46	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	84 to 90		
Shore A, 15 sec	79 to 85		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	4.14	MPa	
300% Strain	4.83	MPa	
Tensile Strength (1.91 mm)	11.0	MPa	ASTM D412
Tensile Elongation (Break, 1.91 mm)	640	%	ASTM D412
Tear Strength			
1.91 mm	39.4	kN/m	ASTM D624
Split	12	kN/m	ASTM D470
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ¹ (121°C, 168 hr)	-15	%	UL Unspecified
Change in Ultimate Elongation in Air ² (121°C, 168 hr)	-20	%	UL Unspecified
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-45.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	30	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	143	°C	
Cylinder Zone 2 Temp.	149	°C	

Cylinder Zone 3 Temp.	154	°C
Cylinder Zone 4 Temp.	160	°C
Cylinder Zone 5 Temp.	166	°C
Adapter Temperature	166	°C
Melt Temperature	166 to 177	°C
Die Temperature	166	°C

NOTE		
1.	Thickness: 75 mil	
2.	Thickness: 75 mil	

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