

Radilon® S URV080HF 5085 ROS 4734

Polyamide 6

Radici Plastics

Message:

PA6 8% glass fiber reinforced flame retardant injection moulding grade. Very high flowability. Red colour.

Suitable for large parts requiring slightly improved stiffness. Good surface aspect. Rated UL-94 V2 at 0.8 mm.

Typical application are bus and train seats.

ISO 1043 : PA6 GF8 FR(40+72)

General Information				
Filler / Reinforcement		Glass Fiber,8.0% Filler by Weight		
Additive		Flame Retardant		
Features		Flame Retardant		
		Good Stiffness		
		Good Surface Finish		
		High Flow		
Uses		Automotive Applications		
		Seats		
RoHS Compliance		RoHS Compliant		
Appearance		Red		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		PA6 GF8 FR(40+72)		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.23	--	g/cm ³	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	4850	--	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	95.0	--	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.3	--	%	ISO 527-2/1A/5
Flexural Modulus ¹	4470	--	MPa	ISO 178
Flexural Stress ²	145	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	30	--	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature ³	220	--	°C	ISO 11357
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+12	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+13	ohms · cm	IEC 60093
Flammability	Dry	Conditioned	Unit	Test Method

Burning Rate	0.0	--	mm/min	FMVSS 302
Flame Rating (0.800 mm)	V-2	--		UL 94
Injection	Dry	Unit		
Drying Temperature - Desiccant Dryer	80.0		°C	
Drying Time - Desiccant Dryer	2.0 to 4.0		hr	
Dew Point - Desiccant Dryer	< -20.0		°C	
Suggested Max Moisture	0.15		%	
Processing (Melt) Temp	240 to 280		°C	
Mold Temperature	80.0 to 90.0		°C	
Injection Rate	Moderate-Fast			
NOTE				
1.	2.0 mm/min			
2.	2.0 mm/min			
3.	10°C/min			

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