



Telcar® TL-1950B-80NT RED 888

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Telcar TL-1950B-80NT RED 888 is a general purpose thermoplastic elastomer designed for a variety of consumer and industrial applications. Telcar TL-1950B-80NT RED 888 is a high hardness, high density, high flow grade suitable for injection molding.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Filled • Good Adhesion • Good Color Stability	• Good Flow • Good Moldability • Good Toughness • High Density	• High Hardness • High Specific Gravity • Resilient
Uses	• Appliance Components • Building Materials • Connectors • General Purpose	• Grommets • Handles • Housings • Industrial Applications	• Knobs • Plugs • Rubber Replacement
RoHS Compliance	• RoHS Compliant		
Appearance	• Red		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	15	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow (100% Strain)	605	psi	ISO 37
Tensile Stress - Across Flow (Break)	696	psi	ISO 37
Tensile Elongation - Across Flow (Break)	180	%	ISO 37
Tear Strength - Across Flow	130	lbf/in	ISO 34-1
Compression Set			ISO 815
73°F, 22 hr	22	%	
158°F, 22 hr	95	%	
194°F, 70 hr	100	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, 1 sec	88		
Shore A, 5 sec	87		
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (392°F, 206 sec ⁻¹)	212	Pa·s	ASTM D3835

Telcar® TL-1950B-80NT RED 888

Teknor Apex Company - Thermoplastic Elastomer

Processing Information		
Injection	Nominal Value	Unit
Rear Temperature	340 to 380	°F
Middle Temperature	350 to 390	°F
Front Temperature	360 to 400	°F
Nozzle Temperature	370 to 410	°F
Processing (Melt) Temp	370 to 410	°F
Mold Temperature	77 to 150	°F
Injection Pressure	200 to 1000	psi
Injection Rate	Moderate-Fast	
Back Pressure	25.0 to 50.0	psi
Screw Speed	50 to 100	rpm
Cushion	0.150 to 1.00	in

Notes

¹ Typical properties: these are not to be construed as specifications.