

# Telcar® TL-1950B-80NT RED 888

Teknor Apex Company - Thermoplastic Elastomer

Friday, June 30, 2017

## 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 <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm <sup>3</sup>	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 <sup>-1</sup> )	212	Pa·s	ASTM D3835

### Legal Statement

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchaser assumes all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or others. There is no warranty of merchantability and there are no other warranties for the products described. For detailed Product Stewardship information, please contact us. Any product of Teknor Apex, including product names, shall not be used or tested in medical or food contact applications without the prior written acknowledgement of Teknor Apex as to the intended use. Please note that some products may not be available in one or more countries.

Revision Date: 6/1/2016

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### 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

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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