

# Telcar® TL-1950B-80NT RED 888

Thermoplastic Elastomer

Teknor Apex Company

## Message:

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 Information			
Features	High specific gravity		
	High density		
	Good formability		
	Good liquidity		
	Good color stability		
	Good adhesion		
	Good chemical resistance		
	Good toughness		
	Fill		
	High hardness		
Uses	Elastic		
	Handle		
	Plug		
	Washer		
	Industrial application		
	Home appliance components		
	Building materials		
	Connector		
	General		
RoHS Compliance	Shell		
	Rubber substitution		
	Knob		
	RoHS compliance		
	Red		
	Particle		
Processing Method	Injection molding		
	Physical	Nominal Value	Unit
	Density	1.29	g/cm <sup>3</sup>
	Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	15	g/10 min
			ASTM D1238
	Hardness	Nominal Value	Unit
			Test Method

Durometer Hardness		ISO 868	
Shaw A, 1 sec	88	ISO 868	
Shaw A, 5 seconds	87	ISO 868	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow (100% Strain)	4.17	MPa	ISO 37
Tensile Stress - Across Flow (Break)	4.80	MPa	ISO 37
Tensile Elongation - Across Flow (Break)	180	%	ISO 37
Tear Strength - Across Flow	23	kN/m	ISO 34-1
Compression Set		ISO 815	
23°C, 22 hr	22	%	ISO 815
70°C, 22 hr	95	%	ISO 815
90°C, 70 hr	100	%	ISO 815
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (200°C, 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.

Injection	Nominal Value	Unit
Rear Temperature	171 - 193	°C
Middle Temperature	177 - 199	°C
Front Temperature	182 - 204	°C
Nozzle Temperature	188 - 210	°C
Processing (Melt) Temp	188 - 210	°C
Mold Temperature	25 - 66	°C
Injection Pressure	1.38 - 6.89	MPa
Injection Rate	Moderate-Fast	
Back Pressure	0.172 - 0.345	MPa
Screw Speed	50 - 100	rpm
Cushion	3.81 - 25.4	mm

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

**Susheng Import & Export Trading Co.,Ltd.**

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

