



Telcar® TL-2480F

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Telcar TL-2480F is a general purpose thermoplastic elastomer designed for a variety of industrial applications. Telcar TL-2480F is a medium density, high hardness grade suitable for injection molding.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Bondability • Filled • General Purpose • Good Colorability	• Good Mold Release • Good Moldability • Good Processability • High Flow	• High Hardness • Medium Density
Uses	• General Purpose • Grommets	• Industrial Applications • Industrial Parts	• Rubber Replacement
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	• Opaque
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.980		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	26	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	715	psi	ASTM D412
Tensile Elongation (Break)	460	%	ASTM D412
Tear Strength			ASTM D624
Across Flow	143	lbf/in	
Flow	173	lbf/in	
Compression Set ²			ASTM D395B
73°F, 22 hr	40	%	
158°F, 22 hr	63	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 sec	82		
Shore A, 15 sec	79		

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	340 to 380	°F

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Injection	Nominal Value	Unit
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.
- ² Type 1