



Telcar® TL-2560F-UV (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Telcar TL-2560F-UV is a general purpose thermoplastic elastomer, available in NAT and colors, designed for a variety of industrial applications, including seals and gaskets. Telcar TL-2560F-UV is a high density, medium hardness, RoHS compliant grade suitable for injection molding.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Filled • General Purpose • Good Colorability • Good Flow • Good Mold Release	• Good Moldability • Good Processability • High Density • High Flow • High Specific Gravity	• Light Stabilized • Medium Hardness • UV Resistant
Uses	• General Purpose • Grommets	• Handles • Industrial Applications	• Industrial Parts
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	1.18		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	865	psi	ASTM D412
Tensile Elongation (Break)	780	%	ASTM D412
Tear Strength			ASTM D624
Across Flow	134	lbf/in	
Flow	132	lbf/in	
Compression Set			ASTM D395
73°F, 22 hr	33	%	
158°F, 22 hr	52	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	62		
Shore A, 5 sec, Injection Molded	60		

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Injection	Nominal Value	Unit
Rear Temperature	360 to 400	°F
Middle Temperature	360 to 400	°F
Front Temperature	360 to 400	°F
Nozzle Temperature	360 to 400	°F
Processing (Melt) Temp	360 to 400	°F
Mold Temperature	60 to 90	°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.