



Telcar® TL-2545F

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Telcar® TL-2545F is a general purpose thermoplastic elastomer designed for a variety of industrial applications. Telcar® TL-2545F is a high density, medium 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 Density	• High Flow • High Specific Gravity • Medium Hardness
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	1.18		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ² (Break)	735	psi	ASTM D412
Tensile Elongation (Break)	800	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	46		ASTM D2240
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (392°F, 207 sec ⁻¹)	130	Pa·s	ASTM D3835

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	340 to 380	°F
Middle Temperature	380 to 420	°F
Front Temperature	400 to 440	°F
Nozzle Temperature	420 to 460	°F
Processing (Melt) Temp	420 to 460	°F
Mold Temperature	60 to 90	°F

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Injection	Nominal Value	Unit
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 Die C