Telcar® DE 6052

Teknor Apex Asia Pacific PTE. LTD. - Thermoplastic Elastomer

Friday, April 3, 2026

General Information

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific		
Uses	• Flexible Grips • Handles	• Plugs • Shock Absorbing Pads	• Toys
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.00		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	348	psi	ASTM D412
Tensile Stress (300% Strain)	624	psi	ASTM D412
Tensile Strength (Break)	725	psi	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 10 sec)	60		ASTM D2240

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	104 to 176	°F
Rear Temperature	284 to 356	°F
Middle Temperature	284 to 356	°F
Front Temperature	284 to 356	°F
Mold Temperature	104 to 140	°F
Injection Pressure	300 to 3000	psi
Injection Rate	Slow-Moderate	

Injection Notes

Purging Material: HDPE, PP

Extrusion	Nominal Value	Unit
Drying Temperature	104 to 176	°F
Cylinder Zone 1 Temp.	284 to 356	°F
Cylinder Zone 2 Temp.	284 to 356	°F
Cylinder Zone 3 Temp.	284 to 356	°F
Cylinder Zone 4 Temp.	284 to 356	°F
Cylinder Zone 5 Temp.	284 to 356	°F

Extrusion Notes

Compression Ratio: 2.0 to 4.0
Purging Material: HDPE, PP
LD Ratio: 25:1 or higher

Notes

[1] Typical properties: these are not to be construed as specifications.

Revision Date: 12/12/2013

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Teknor Apex Asia Pacific PTE. LTD. - Thermoplastic Elastomer

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