Telcar® GS4000

Teknor Apex Asia Pacific PTE. LTD. - Thermoplastic Elastomer

Tuesday, April 7, 2026

General Information

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific		
Uses	• Flexible Grips • Food Containers • Gaskets	• Overmolding • Pacifiers • Seats	• Toothbrush Handles • Tubing • Writing Instruments
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.882		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	80	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	218	psi	ASTM D412
Tensile Stress (300% Strain)	290	psi	ASTM D412
Tensile Strength (Break)	435	psi	ASTM D412
Tensile Elongation (Break)	350	%	ASTM D412
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 10 sec)	45		ASTM D2240

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	104 to 176	°F
Rear Temperature	356 to 482	°F
Middle Temperature	356 to 482	°F
Front Temperature	356 to 482	°F
Mold Temperature	104 to 140	°F
Injection Pressure	1500 to 20000	psi
Injection Rate	Fast	

Injection Notes

Purging Material: HDPE, PP

Extrusion	Nominal Value	Unit
Drying Temperature	104 to 176	°F
Cylinder Zone 1 Temp.	338 to 446	°F
Cylinder Zone 2 Temp.	338 to 446	°F
Cylinder Zone 3 Temp.	338 to 446	°F
Cylinder Zone 4 Temp.	338 to 446	°F
Cylinder Zone 5 Temp.	338 to 446	°F

Extrusion Notes

Compression Ratio: 2.5 to 5.0
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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