

- Thermoplastic Elastomer

Friday, June 30, 2017

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	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.00		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	261	psi	ASTM D412
Tensile Stress (300% Strain)	435	psi	ASTM D412
Tensile Strength (Break)	725	psi	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	50		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

Telcar® DE 5052

- Thermoplastic Elastomer

Teknor Apex Company
Corporate Headquarters

*In U.S. for Vinyls, TPEs, Colorants,
Engineered Thermoplastics (Chem Polymer)*
505 Central Avenue
Pawtucket, Rhode Island 02861 U.S.

Phone: 401-725-8000
Fax: 401-725-8095
Toll Free (U.S. only) 800-556-3864

Teknor Apex U.K. Ltd.

Tat Bank Road
Oldbury, West Midlands B69 4NH England

Phone: (44) 121-665-2100
Fax: (44) 121-544-5530

etpsales@teknorapex.co.uk

info@teknorapex.com

上海松翰塑化科技有限公司
TEKNOR APEX 特诺尔爱佩斯 一级分销商
teknorapex.shshsj.com 联系电话: 021-58958519

Revision Date: 12/12/2013

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.