

- Polypropylene

Friday, June 30, 2017

General Information

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Latin America
Features	• Halogen Free
Uses	• Electrical/Electronic Applications
Forms	• Pellets

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Ultimate)	2610	psi	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	290000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.1	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness	98		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	311	°F	ASTM D1525
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.4E+15	ohms	ASTM D257
Volume Resistivity	1.2E+15	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Oxygen Index	30	%	ASTM D2863

Notes

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

**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

info@teknorapex.com

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



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