

- Specialty Polystyrene

Thursday, June 29, 2017

General Information

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Latin America
Features	• Electrically Conductive
RoHS Compliance	• RoHS Compliant
Forms	• Pellets

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2610	psi	ASTM D638
Flexural Modulus	232000	psi	ASTM D790
Flexural Strength	4210	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.9	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	167	°F	ASTM D648
Vicat Softening Temperature	194	°F	ASTM D1525 ²
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 7.0E+5	ohms	ASTM D257
Volume Resistivity	< 7.0E+5	ohms·cm	ASTM D257

Notes

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

² Loading 1 (10 N)

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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