



Sinpolene HFR8144

Teknor Apex Asia Pacific PTE. LTD. - Polypropylene

General Information

General

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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.30		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2900	psi	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	189000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.9	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness	96		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	309	°F	ASTM D1525 ²
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-1		UL 94
Oxygen Index	28	%	ASTM D2863

Notes

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

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