



Halguard® 58261

Teknor Apex Company - Polyolefin

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant • Good Stiffness	• Halogen Free • Low Shrinkage	
Uses	• Flame Retardant Jacketing		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.55		ASTM D792
Melt Mass-Flow Rate (MFR)	15	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2240	psi	ASTM D638
Tensile Elongation (Break)	73	%	ASTM D638
Flexural Modulus	73600	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	55		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-5.80	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity			ASTM D257
73°F	2.0E+16	ohms·cm	
122°F	5.3E+15	ohms·cm	
Dielectric Constant (1 MHz)	3.09		ASTM D150
Dissipation Factor (1 MHz)	6.8E-4		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	37	%	ASTM D2863

Additional Information

UL-94 Vertical Burn Rating (1/8" thick specimens) = V-0
Peak Heat Release Rate (kw/m2) = 135
Total Smoke Released (m2/m2) = 970
Avg. Specification Extinction Area (m2/kg) = 184
UL-1581 Deformation at 121C, % (0.060" thick specimens) = 0.5%
UL-1581 720 Hour Sunlight Resistance = Pass with Black

Data Sheet Applies to Color(s) Listed Below:
Natural (1130742)

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	399	°F

Notes

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