



Halguard® 58380

Teknor Apex Company - Polyolefin

General Information

General

Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Asia Pacific	• Latin America • North America	
Features	• Electrically Insulating • Filled • Flame Retardant	• Good Electrical Properties • Halogen Free • Low Friction	• Low Smoke Emission
Uses	• Cable Jacketing • Fiber Optic Cable • Fiber Optic Cable Jacketing	• Jacketing • LSZH Insulation • LSZH Jacketing	• Optical Cable Insulation • Wire & Cable Applications
Wire Types	• AWM	• OFNR	
Agency Ratings	• UL 94		
Regulatory Statement	• Due to the frequent updates to regulations, specifically, California Proposition 65, EU REACH SVHCs, and RoHS, please contact Teknor Apex for the most up to date compliance statement, or refer to section 15 of the product SDS.		
Appearance	• Colors Available	• Opaque	
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.55		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1830	psi	ASTM D638
Tensile Elongation (Break)	130	%	ASTM D638
Flexural Modulus	131000	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D, 10 sec, Operating Stand	56		
Shore D, 10 sec, Hand Held	61		
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	194	°F	ASTM D794
Brittleness Temperature	-16.6	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (122°F)	2.6E+15	ohms·cm	ASTM D257
Dielectric Constant (1 MHz)	3.21		ASTM D150
Dissipation Factor (1 MHz)	5.6E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-0		UL 94
Oxygen Index	41	%	ASTM D2863

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Additional Information

Cone Calorimetry at 75 kW/m2 ISO5660

- Peak Heat Release Rate, (kW/m2): 100
- Total Smoke Released, (m2/m2): 792
- Average Specific Extinction Area, (m2/kg): 143

Data Sheet Applies to ColorS Listed Below:

Natural (1160554)

Black (1001991)

7/23-lc

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	410	°F

Notes

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