



Halguard® 58606

Teknor Apex Company - Polyolefin

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Latin America • North America	
Features	• Electrically Insulating • Filled • Flame Retardant • Good Electrical Properties	• Halogen Free • Low Shrinkage • Low Smoke Emission • Oil Resistant	• Sunlight Resistant (720 hours) • UV Stabilized
Uses	• Communication Cable Jacketing • Fiber Optic Cable Jacketing	• LSZH Insulation • LSZH Jacketing	
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	• Black	• Colors Available	• Natural Color
Forms	• Pellets		
Processing Method	• Wire & Cable Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.57		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/20.0 kg)	9.6	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2030	psi	ASTM D638
Tensile Elongation (Break)	160	%	ASTM D638
Flexural Modulus	32600	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec, Operating Stand)	51		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-36.4	°F	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	39	%	ASTM D2863

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Additional Information

Cone Calorimetry at 75 kW/m2 ISO5660

- Peak Heat Release Rate, kW/m2: 221
- Total Smoke Released, m2/m2: 1,732
- Average Specific Extinction Area, m2/kg: 298

Post Extrusion Linear Shrinkage, %: 1.5 TA Method

720 Sunlight Resistance (0.020" plaques): Pending..... UL1581

Oil Resistance (0.040" plaques)

Exposed for 4 hours in IRM 902 at 70C CSA TECK 90

-Tensile Retention = 83%

-Elongation Retention = 95%

Data Sheet Applies to Color Listed Below:

Natural (1157290)

5/22-lc

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	379	°F

Notes

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