



APEX® 84864

Teknor Apex Company - Semi-Rigid Polyvinyl Chloride

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • North America
Features	• Flame Retardant • Oil Resistant • Semi Rigid
Uses	• Low Voltage Insulation • Transportation Wire Insulation
Agency Ratings	• ISO 6722
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	• Opaque
Forms	• Pellets
Processing Method	• Wire & Cable Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.31		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (100% Strain)	3210	psi	ASTM D638
Tensile Strength (Break)	4630	psi	ASTM D638
Tensile Elongation (Break)	290	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec, Hand Held)	60		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-49.0	°F	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	31	%	ASTM D2863

Additional Information

Data Sheet Applies to Color Listed Below:
Natural (1058776)

FLRY Automotive Wiring to meet requirements of ISO 6722 T2

- Brittle Point °C, After Aging 10 Days @ 130°C: -32°C
- Oil Aging, IRM 902 Oil, 20 hr. @ 50°C, 15-20 mil (0.38-0.51mm) specimen, % Thickness Change: 1.5%
- Fuel C Immersion, 20 hr. @ 23°C, 15-20 mil (0.38-0.51mm) specimen, % Thickness Change: 1.6%
- Diesel Fuel Immersion 20 hr. @ 23°C, 15-20 mil (0.38-0.51mm) specimen, % Thickness Change: 3.3%

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Notes

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