

APEX® 157-V

Teknor Apex Company - Flexible Polyvinyl Chloride

Tuesday, August 27, 2019

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Low to No Migration • Oil Resistant	• Sunlight Resistant (720 hours) • UV Resistant	
Uses	• Flexible Cord Jacketing	• Wire & Cable Applications	
Wire Types	• SJTOW	• STOW	• SVTO
Agency Ratings	• UL QMTT2		
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.33		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2200	psi	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	72		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-31.0	°F	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	22	%	ASTM D2863

Additional Information

Outdoor
 Temperature Rating: 105 °C
 UL Sunlight Resistance Recognition: 720 hr
 Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 136°C: 67 %
 Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 136°C: 115 %
 Ultimate Elongation Retained, UL 1581, ASTM #2 Oil, 7 days, 60°C: 87 %
 Tensile Strength Retained, UL 1581, ASTM #2 Oil, 7 days, 60°C: 104 %

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	345	°F

Notes

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

Revision Date: 12/12/2013

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