

APEX® 154

Teknor Apex Company - Flexible Polyvinyl Chloride

Friday, June 30, 2017

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Uses	• Military Cable Jacketing	• Non-flexible Jacketing	
Wire Types	• Molded Components		
Agency Ratings	• MIL C-915-C		
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1900	psi	ASTM D638
Tensile Elongation (Break)	390	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	80		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-31.0	°F	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	23	%	ASTM D2863

Additional Information

Temperature Rating: 80 °C
 UL Sunlight Resistance Recognition: No
 Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 100°C: 95 %
 Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 100°C: 106 %
 Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 113°C: 85 %
 Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 113°C: 113 %

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	355	°F

Notes

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

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