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APEX® 93-A0591C-97

TEKNOR APEX

Teknor Apex Company - Flexible Polyvinyl Chloride

Wednesday, August 28, 2019

General Information					
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Material Status	Commercial: Active				
Availability	 Africa & Middle East Asia Pacific	EuropeLatin America	North America		
Uses	Transportation Wire Insula	ition			
Wire Types	• GPT				
Agency Ratings	• SAE J1128				
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)	2670	psi	ASTM D638		
Tensile Elongation (Break)	290	%	ASTM D638		
Hardness	Nominal Value	Unit	Test Method		
Durometer Hardness (Shore C, 10 sec)	72		ASTM D2240		
Thermal	Nominal Value	Unit	Test Method		
Continuous Use Temperature	221	°F	ASTM D794		
Brittleness Temperature	-0.400	°F	ASTM D746		
Electrical	Nominal Value	Unit	Test Method		
Volume Resistivity	2.0E+14	ohms∙cm	ASTM D257		
Flammability	Nominal Value	Unit	Test Method		
Oxygen Index	26	%	ASTM D2863		
Additional Information					

Temperature Rating: 105 °C

Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 136°C: 93 % Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 136°C: 95 %

Processing Information				
Extrusion	Nominal Value Unit			
Melt Temperature	375 °F			

Notes

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

Revision Date: 12/12/2013

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