



APEX® 82-E211-B

Teknor Apex Company - Flexible Polyvinyl Chloride

General Information

Product Description

The Chrysler Automotive Specification is Suggested, not Approved.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Transportation Wire Insulation		
Agency Ratings	• SAE J1128		
RoHS Compliance	• RoHS Compliant		
Automotive Specifications	• CHRYSLER MS-DC-16 Type A		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.36		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2850	psi	ASTM D638
Tensile Elongation (Break)	320	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	70		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	176	°F	ASTM D794
Brittleness Temperature	-4.00	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	9.0E+13	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	24	%	ASTM D2863

Additional Information

Temperature Rating: 80 °C

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	375	°F

Notes

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