

APEX® 80873

Teknor Apex Company - Semi-Rigid Polyvinyl Chloride

Friday, August 30, 2019

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Semi Rigid		
Uses	• Automotive Electronics	• Insulation	
Wire Types	• AWM • GPT • TFFN	• THHN • THW • THWN	• TW
Agency Ratings	• SAE J1128 • UL 1063	• UL 1581 • UL 83	
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.30		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	3550	psi	ASTM D638
Tensile Elongation (Break)	320	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	83		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	8.60	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant			ASTM D150
1 kHz	3.59		
1 MHz	2.89		
Dissipation Factor			ASTM D150
1 kHz	0.061		
1 MHz	0.035		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863

Notes

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

Revision Date: 12/12/2013

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