

APEX® 80873

Semi-Rigid Polyvinyl Chloride

Teknor Apex Company

Message:

APEX® 80873 is a Semi-Rigid Polyvinyl Chloride material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Important attributes of APEX® 80873 are:
RoHS Compliant
Rigid
Typical applications include:
Wire & Cable
Automotive

General Information			
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		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	24.5	MPa	ASTM D638
Tensile Elongation (Break)	320	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	105	°C	ASTM D794

Brittleness Temperature	-13.0	°C	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

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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