

APEX® 84451

Flexible Polyvinyl Chloride

Teknor Apex Company

Message:

APEX® 84451 is a Flexible Polyvinyl Chloride material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary attribute of APEX® 84451: RoHS Compliant.
Typical application of APEX® 84451: Wire & Cable

General Information			
UL YellowCard	E54709-100154258	E142591-100745009	
Uses	Wire & Cable Applications		
RoHS Compliance	RoHS Compliant		
Appearance	Opaque		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	16.8	MPa	ASTM D638
Tensile Elongation (Break)	340	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	105	°C	ASTM D794
Brittleness Temperature	-9.00	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (50°C)	6.5E+10	ohms · cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	5.31		
1 MHz	3.76		
Dissipation Factor			ASTM D150
1 kHz	0.11		
1 MHz	0.051		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863

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Recommended distributors for this material

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