

APEX® 65005

Flexible Polyvinyl Chloride

Teknor Apex Company

Message:

APEX® 65005 is a flexible polyvinyl chloride material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

APEX® The main features of the 65005 are:

ROHS certification

Flame Retardant

Typical application areas include:

Wire and cable

Electrical/electronic applications

General Information			
Features	Flame retardancy		
Uses	Communication wire sheath		
Wire Types	CL2R		
	CL3R		
	CMR		
	FPLP		
	MPR		
	OFNR		
Agency Ratings	NEC Article 725		
	NEC Article 760		
	NEC Article 770		
	NEC Article 800		
	UL 13		
	UL 1424		
	UL 444		
RoHS Compliance	RoHS compliance		
Appearance	Opacity		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.54	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw C	85		ASTM D2240
Shaw C, 10 seconds	74		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	18.0	MPa	ASTM D638

Tensile Elongation (Break)	280	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	75.0	°C	ASTM D794
Brittleness Temperature	-17.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	4.3E+11	ohms·cm	ASTM D257
Dielectric Constant			ASTM D2520
1 kHz	4.90		ASTM D2520
1 MHz	3.59		ASTM D2520
Dissipation Factor			ASTM D150
1 kHz	0.077		ASTM D150
1 MHz	0.053		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	38	%	ASTM D2863
Additional Information			

锥形量热仪(45千瓦/平方米):峰值放热率:116 千瓦/平方米平均放热率:77千瓦/平方米总放热率:80 兆焦/千克平均有效燃烧热:12 兆焦/千克

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