



APEX® 76-5179-B

Teknor Apex Company - Flexible Polyvinyl Chloride

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant		
Uses	• Wire & Cable Applications		
Agency Ratings	• UL QMFZ2		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.23		ASTM D792
Molding Shrinkage - Flow	0.015 to 0.018	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1550	psi	ASTM D638
Tensile Elongation (Break)	480	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	55		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	176	°F	ASTM D794
Brittleness Temperature	-45.4	°F	ASTM D746
RTI Elec			UL 746
0.04 in	194	°F	
0.12 in	194	°F	
RTI Str			UL 746
0.04 in	194	°F	
0.12 in	194	°F	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (CTI) (0.118 in)	PLC 0		UL 746
High Amp Arc Ignition (HAI) (0.12 in)	PLC 1		UL 746
Hot-wire Ignition (HWI) (0.12 in)	PLC 2		UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.04 in	V-2		
0.12 in	V-2		
Oxygen Index	23	%	ASTM D2863

Additional Information

Temperature Rating: 80 °C

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	330	°F