



APEX® 77-W115-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	• Low to No Migration	• Oil Resistant
Uses	• Connectors • Grommets	• Plugs • Strain Reliefs	
Wire Types	• Molded Components		
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	1.38		ASTM D792
Molding Shrinkage - Flow	0.010 to 0.012	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2500	psi	ASTM D638
Tensile Elongation (Break)	360	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	85		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	5.00	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.4E+10	ohms·cm	ASTM D257
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 1		UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.031 in	V-2		
0.12 in	V-0		
Oxygen Index	29	%	ASTM D2863

Additional Information

Temperature Rating: 105 °C

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	360	°F

Notes

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