

APEX® 7500-85

Teknor Apex Company - Flexible Polyvinyl Chloride

Wednesday, August 28, 2019

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Heat Resistance		
Uses	• Connectors • Grommets	• Plugs • Strain Reliefs	
Wire Types	• Molded Components		
Agency Ratings	• UL QMFZ2		
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.21		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)	220	%	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	-29.2	°F	ASTM D746
RTI Elec (0.06 in)	122	°F	UL 746
RTI Imp (0.06 in)	122	°F	UL 746
RTI Str (0.06 in)	122	°F	UL 746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+12	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94
Oxygen Index	23	%	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.

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