



APEX® 6500-105

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	• Tubing	• Wire Jacketing	
Agency Ratings	• UL QMFZ2		
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.28		ASTM D792
Molding Shrinkage - Flow	0.010 to 0.012	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	3000	psi	ASTM D638
Tensile Elongation (Break)	280	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	80		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	14.0	°F	ASTM D746
RTI Elec (0.12 in)	122	°F	UL 746
RTI Imp (0.12 in)	122	°F	UL 746
RTI Str (0.12 in)	122	°F	UL 746
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 0		UL 746
Hot-wire Ignition (HWI) (0.12 in)	PLC 0		UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.12 in)	V-0		UL 94

Additional Information

Temperature Rating: 60 °C

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	380	°F

Notes

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