



APEX® 7500-105

Teknor Apex Company - Flexible Polyvinyl Chloride

General Information

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Latin America • North America	
Features	• Flame Retardant	• Plasticized	
Uses	• Connectors • Electrical Parts	• Electrical/Electronic Applications • Grommets	• Plugs
Agency Ratings	• UL 498 • UL 817	• UL 94 • UL QMFZ2	
Regulatory Statement	• Due to the frequent updates to regulations, specifically, California Proposition 65, EU REACH SVHCs, and RoHS, please contact Teknor Apex for the most up to date compliance statement, or refer to section 15 of the product SDS.		
Appearance	• Clear/Transparent	• Colors Available	• Glossy Finish
Forms	• Pellets		
Processing Method	• Injection Molding	• Overmolding	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.27		ASTM D792
Molding Shrinkage - Flow	0.010 to 0.020	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, Hand Held)	80		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	1.40	°F	ASTM D746
RTI Elec			UL 746B
0.030 in	122	°F	
0.12 in	122	°F	
RTI Imp			UL 746B
0.030 in	122	°F	
0.12 in	122	°F	
RTI Str			UL 746B
0.030 in	122	°F	
0.12 in	122	°F	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (CTI) (0.0295 in)	PLC 0		UL 746A
High Amp Arc Ignition (HAI) (0.12 in)	PLC 0		UL 746A
Hot-wire Ignition (HWI) (0.12 in)	PLC 0		UL 746A
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in	V-2		
0.12 in	V-0		
Oxygen Index	26	%	ASTM D2863

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Additional Information

Data Sheet Applies to Colors Listed Below:

Water Clear (0110262)

All Colors

3/20-lc

Notes

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