



APEX® 4111

Teknor Apex Company - Flexible Polyvinyl Chloride

General Information

General	
Material Status	• Commercial: Active
Availability	- Africa & Middle East - Asia Pacific - Latin America - North America
Features	• Good Moldability
Uses	- Connectors - Electrical/Electronic Applications - Grommets - Plugs - Strain Reliefs
Agency Ratings	• 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	• Opaque
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.39		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2730	psi	ASTM D638
Tensile Elongation (Break)	280	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	82		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	14.0	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (CTI) (0.118 in)	PLC 0		UL 746A
High Amp Arc Ignition (HAI) (0.12 in)	PLC 1		UL 746A
Hot-wire Ignition (HWI) (0.12 in)	PLC 0		UL 746A
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.03 in	V-2		
0.12 in	V-0		
Oxygen Index	31	%	ASTM D2863

Additional Information

Data Sheet Applies to Colors Listed Below:

Natural (0240036)

Black (0410116)

White 1 (1140702)

12/19-lc

Notes

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