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TEKNOR APEX

APEX® 460

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	• Low to No Migration	• Oil Resistant	
Uses	• Flexible Cord Jacketing		
Wire Types	• SJTOO	• STOO	
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

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)	2400	psi	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 15 sec)	80		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	1.40	°F	ASTM D746
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+11	ohms·cm	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Oxygen Index	23	%	ASTM D2863

Additional Information

1/64 in wall
Temperature Rating: 105 °C
UL Sunlight Resistance Recognition: No
Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 136°C: 92 %
Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 136°C: 97 %
Ultimate Elongation Retained, UL 1581, ASTM #2 Oil, 7 days, 60°C: 90 %
Tensile Strength Retained, UL 1581, ASTM #2 Oil, 7 days, 60°C: 108 %

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	355	°F

Notes

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