



APEX® 4157

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	• Sunlight Resistant (720 hours)		
Agency Ratings	• UL QMTT2		
Forms	• Pellets		

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)	430	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	79		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-27.4	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.1E+10	ohms·cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	6.48		
1 MHz	4.06		
Dissipation Factor			ASTM D150
1 kHz	0.098		
1 MHz	0.072		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	31	%	ASTM D2863

Additional Information

Oil Rating: 60 days @ 75C UL-1277

Notes

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