TEKNOR APEX

APEX® 55302

Teknor Apex Company - Flexible Polyvinyl Chloride

Wednesday, August 28, 2019

General Information

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• General Purpose		
Uses	• Communication Wire Jacketing	• Telephone Retractile Cord Jacketing	
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.22		ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	2250	psi	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 15 sec)	74		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	-50.8	°F	ASTM D746
Flammability	**Nominal Value**	**Unit**	**Test Method**
Oxygen Index	24	%	ASTM D2863

Additional Information

Formerly Apex 302
Temperature Rating: 80 °C
UL Sunlight Resistance Recognition: No
Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 100°C: 100 %
Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 100°C: 102 %
Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 113°C: 80 %
Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 113°C: 108 %

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	345	°F

Notes

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

Revision Date: 12/12/2013