



APEX® 85-J644-E

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 Gloss	• Low Temperature Flexibility	
Uses	• Communication Wire Jacketing	• Patch Cord Jacketing	
Agency Ratings	• NEC Article 725	• NEC Article 770	• NEC Article 820
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.20		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2280	psi	ASTM D638
Tensile Elongation (Break)	380	%	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	-43.6	°F	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	21	%	ASTM D2863

Additional Information

Temperature Rating: 80 °C
UL Sunlight Resistance Recognition: No
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.