

APEX® 7500-80

Flexible Polyvinyl Chloride
Teknor Apex Company

Technical Data

General

Material Status	• Commercial: Active		
Literature ¹	• Processing - Extrusion (English) • Processing - Injection (English) • Technical Datasheet		
UL Yellow Card ²	• E54709-245306 • E142591-543059 • E54709-101225416		
Search for UL Yellow Card	• Teknor Apex Company • APEX®		
Availability	• Africa & Middle East • Asia Pacific	• Europe • North America	• South America
Features	• High Heat Resistance		
Uses	• Connectors • Grommets	• Plugs • Strain Reliefs	
Wire Types	• Molded Components		
Agency Ratings	• UL QMFZ2 .E54709		
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.21 g/cm³	ASTM D792
Molding Shrinkage - Flow	1.0 to 1.2 %	ASTM D955
Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Break)	15.5 MPa	ASTM D638
Tensile Elongation (Break)	380 %	ASTM D638
Hardness	Nominal Value Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	80	ASTM D2240
Thermal	Nominal Value Unit	Test Method
Max. Continuous Use Temperature	105 °C	ASTM D794
Brittleness Temperature	-41.0 °C	ASTM D746
RTI Elec (1.50 mm)	50.0 °C	UL 746
RTI Imp (1.50 mm)	50.0 °C	UL 746
RTI Str (1.50 mm)	50.0 °C	UL 746
Flammability	Nominal Value Unit	Test Method
Flame Rating (1.50 mm)	HB	UL 94
Oxygen Index	22 %	ASTM D2863
Additional Information		
Temperature Rating: 105 °C		
Injection	Nominal Value Unit	
Processing (Melt) Temp	179 °C	