

APEX® 76-5179-B

Teknor Apex Company - Flexible Polyvinyl Chloride

Friday, June 30, 2017

General Information

General

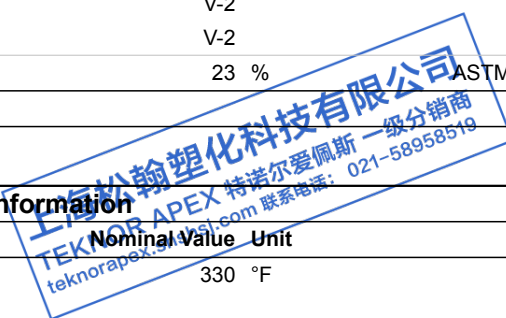
Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Flame Retardant		
Uses	• Wire & Cable Applications		
Agency Ratings	• UL QMFZ2		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23		ASTM D792
Molding Shrinkage - Flow	0.015 to 0.018	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1550	psi	ASTM D638
Tensile Elongation (Break)	480	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	55		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	176	°F	ASTM D794
Brittleness Temperature	-45.4	°F	ASTM D746
RTI Elec			UL 746
0.04 in	194	°F	
0.12 in	194	°F	
RTI Str			UL 746
0.04 in	194	°F	
0.12 in	194	°F	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (CTI) (0.118 in)	PLC 0		UL 746
High Amp Arc Ignition (HAI) (0.12 in)	PLC 1		UL 746
Hot-wire Ignition (HWI) (0.12 in)	PLC 2		UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.04 in	V-2		
0.12 in	V-2		
Oxygen Index	23	%	ASTM D2863
Additional Information	Temperature Rating: 80 °C		

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	330	°F



Revision Date: 12/12/2013

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.

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Notes

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

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*In U.S. for Vinyls, TPEs, Colorants,
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