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TEKNOR APEX

Flexalloy® 89501-83

Teknor Apex Company - Polyvinyl Chloride Elastomer

General Information

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant	• High Heat Resistance	• Low Temperature Flexibility
Uses	• Wet Rated Insulation		
Wire Types	• NISPE-1 • NISPE-2 • SE • SEO • SEOW • SEW • SJE	• SJEO • SJEOW • SJEW • SPE-1 • SPE-2 • SPE-3 • SRDE	• SVE • SVEO • TF • TFF • THHW • THW • TW
Agency Ratings	• UL Class 11 • UL Class 12	• UL Class 36 • UL Class 43	• UL QMTT2
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28		ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	2600	psi	ASTM D638
Tensile Elongation (Break)	250	%	ASTM D638
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 15 sec)	83		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-49.0	°F	ASTM D746
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	5.8E+13	ohms·cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	4.98		
1 MHz	3.34		
Dissipation Factor			ASTM D150
1 kHz	0.056		
1 MHz	0.088		
Flammability	**Nominal Value**	**Unit**	**Test Method**
Oxygen Index	26	%	ASTM D2863

Notes

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