

Flexalloy® 89501-83FR

Polyvinyl Chloride Elastomer

Teknor Apex Company

Message:

Flexalloy® 89501-83FR is a Polyvinyl Chloride Elastomer (PVC Elastomer) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Important attributes of Flexalloy® 89501-83FR are:

RoHS Compliant

Good Flexibility

Heat Resistant

Typical application of Flexalloy® 89501-83FR: Wire & Cable

General Information	
Features	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
	VW-1
Agency Ratings	UL Class 11
	UL Class 12

UL Class 36
 UL Class 43
 UL QMTT2 .E73402

RoHS Compliance	RoHS Compliant		
Appearance	Opaque		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	84		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	17.9	MPa	ASTM D638
Tensile Elongation (Break)	250	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	105	°C	ASTM D794
Brittleness Temperature	-45.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.2E+13	ohms·cm	ASTM D257
Dielectric Strength	23	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	5.10		
1 MHz	3.38		
Dissipation Factor			ASTM D150
1 kHz	0.056		
1 MHz	0.089		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	29	%	ASTM D2863

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Recommended distributors for this material

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