

KYNAR SUPERFLEX[®]

2501-20

Kynar Superflex[®] resin is a thermoplastic fluorinated polymer.

The properties are the same as standard grades: chemical resistance, resistance to UV, low permeation, high purity, excellent mechanical behavior.

More over, this grade is very flexible and is suitable in electrical isolation cable, tubing and co-extrusion.

This grade is available as powder form for injection, extrusion, compression

PROPERTIES	VALUE	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	5.8	cm ³ /10min	ISO 1133
Temperature	232	°C	-
	450	°F	-
Load	3.8	kg	-
	8.38	lb	-
MECHANICAL PROPERTIES			
Tensile Modulus	350	MPa	ISO 527-1/-2
	50800	psi	
Yield stress	15	MPa	ISO 527-1/-2
	2180	psi	
Yield strain	18	%	ISO 527-1/-2
Nominal Strain at Break	>50	%	ISO 527-1/-2
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	122	°C	ISO 11357-1/-3
Glass Transition Temperature, 10°C/min	-40	°C	ISO 11357-1/-2
Temp. of Deflection Under Load, 1.80 MPa	31	°C	ISO 75-1/-2
	88	°F	
Burning Behav. at 1.5 mm Nominal Thickness	V-0	class	IEC 60695-11-10
Thickness Tested	1.5	mm	-
	0.0591	in	
Yellow Card available	yes	-	-
Burning Behav. at Thickness h	V-0	class	IEC 60695-11-10
Thickness Tested	1.0	mm	-
	0.0394	in	
Oxygen Index	44	%	ISO 4589-1/-2
ELECTRICAL PROPERTIES			

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Dielectric (Electric) Strength	12	kV/mm	IEC 60243-1
	305	kV/in	
OTHER PROPERTIES			
Water Absorption	0.03	%	Sim. to ISO 62
Density	1790	kg/m³	ISO 1183
	1.79	g/cm³	

DELIVERY FORM

Powder

REGIONAL AVAILABILITY

North America, Europe, Asia Pacific, South and Central
America, Near East/Africa