

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

MAIN CHARACTERISTICS

PROPERTIES	VALUE	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	5.8	cm ³ /10min	ISO 1133
Temperature	232	°C	-
Load	3.8	kg	-
MECHANICAL PROPERTIES			
Tensile Modulus	350	MPa	ISO 527-1/-2
Yield stress	15	MPa	ISO 527-1/-2
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
Burning Behav. at 1.5 mm Nominal Thickness	V-0	class	IEC 60695-11-10
Thickness Tested	1.5	mm	-
Yellow Card available	yes	-	-
Burning Behav. at Thickness h	V-0	class	IEC 60695-11-10
Thickness Tested	1.0	mm	-
Oxygen Index	44	%	ISO 4589-1/-2
ELECTRICAL PROPERTIES			
Dielectric (Electric) Strength	12	kV/mm	IEC 60243-1
OTHER PROPERTIES			
Water Absorption	0.03	%	Sim. to ISO 62
Density	1790	kg/m ³	ISO 1183

DELIVERY FORM

Powder

REGIONAL AVAILABILITY

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

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kynar.com

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BY **ARKEMA**

Arkema Inc. – Technical Polymers

900 First Avenue
King of Prussia, PA 19406
Tel.: +1 610 205 7000
Fax: +1 610 205 7497
arkema-america.com

Headquarters: Arkema France

420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
Tel.: +33 1 49 00 80 80
Fax: +33 1 49 00 83 96
arkema.com