

TECHNICAL DATA SHEET

KYNAR SUPERFLEX® 2501-20 POWDER

FLUORINATED COPOLYMER POWDER

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.

DESIGNATION

PVDF

DELIVERY FORM

- Powder

RHEOLOGICAL PROPERTIES

속성	값	테스트 표준
Melt volume flow rate (MVR)	5.8 cm ³ /10min	ISO 1133

MECHANICAL PROPERTIES

속성	값	테스트 표준
Tensile modulus, 23°C (73°F), 1 mm/min	350 MPa	ISO 527-1/-2
Yield stress, 23°C (73°F), 50 mm/min	15 MPa	ISO 527-1/-2
Yield strain, 23°C (73°F), 50 mm/min	18 %	ISO 527-1/-2
Nominal strain at break, 23°C (73°F), 50 mm/min	>50 %	ISO 527-1/-2
속성	값	테스트 표준
Glass transition temperature, 10°C/min	-40 °C	ISO 11357-1/-2
Yellow card available	yes	
Heat deflection temperature, 1.8 MPa	31 °C	ISO 75-1/-2
Melting temperature, 10°C/min	122 °C	ISO 11357-1/-3

OTHER PROPERTIES

속성	값	테스트 표준
Water absorption, Saturated in water at 23°C (73°F)	0.03 %	ISO 62

SPECIAL CHARACTERISTICS

- Flame & smoke

Headquarter: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
T +33 (0)1 49 00 80 80