

## TECHNICAL DATA SHEET

# KYNAR SUPERFLEX<sup>®</sup> 2501-20 POWDER

## FLUORINATED COPOLYMER POWDER

KYNAR SUPERFLEX<sup>®</sup> 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

### MAIN APPLICATIONS

- Automotive And Transportation
- Protective Coating
- Paints
- Coil

### DELIVERY FORM

- Powder

## RHEOLOGICAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Melt volume flow rate (MVR)	5.8 cm <sup>3</sup> /10min	ISO 1133

## MECHANICAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
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

## THERMAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
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

PROPERTIES	VALUE	TEST STANDARD
Water absorption, Saturated in water at 23°C (73°F)	0.03 %	ISO 62

## SPECIAL CHARACTERISTICS

- Flame & smoke

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