

## 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

プロパティ	価値	テスト基準
Melt volume flow rate (MVR)	5.8 cm <sup>3</sup> /10min	ISO 1133

## MECHANICAL PROPERTIES

プロパティ	価値	テスト基準
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

プロパティ	価値	テスト基準
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

プロパティ	価値	テスト基準
Water absorption, Saturated in water at 23°C (73°F)	0.03 %	ISO 62

# KYNAR SUPERFLEX® 2501-20 POWDER

## 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

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.  
Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790

[arkema.com](https://www.arkema.com)

**ARKEMA**