KYNAR®

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.

TYPE

PVDF

MAIN APPLICATIONS

- automotive and transportation
- protective coating
- paints
- coil

DELIVERY FORM

- Powder

RHEOLOGICAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Melt volume flow rate (MVR), 230°C / 3.8 kg (446°F / 8.3 lb)	5.8	cm^3/10min	ISO 1133

MECHANICAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Tensile modulus, 23°C (73°F)	350	MPa	ISO 527-1/-2
Yield stress, 23°C (73°F)	15	MPa	ISO 527-1/-2
Yield strain, 23°C (73°F)	18	%	ISO 527-1/-2
Nominal strain at break, 23°C (73°F)	>50	%	ISO 527-1/-2

THERMAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	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	TYPICAL VALUE	UNIT	TEST STANDARD
Water absorption, at equilibrium at 23°C (73°F) / Immersion	0.03	%	ISO 62

KYNAR SUPERFLEX® 2501-20 POWDER

PACKAGING

Available packaging:
- 25 kg / 55 lb bags
- 454 kg / 1000 lb rigid containers
- 45 kg / 100 lb plastic drum

SPECIAL CHARACTERISTICS

- Flame & smoke

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