

Kynar Superflex® 2501-20

Polyvinylidene Fluoride

Arkema

Message:

KYNAR SUPERFLEX® 2500-20 is a pelletized, semi-crystalline copolymer designed for applications requiring high flexibility. KYNAR SUPERFLEX® 2500-20 is often used for chemical tubing, wire jacketing, and injection molding.
KYNAR SUPERFLEX® 2501-20 is the powder version.

General Information			
Features	Good Flexibility		
	Semi Crystalline		
Uses	Tubing		
	Wire Jacketing		
Forms	Powder		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80 to 1.82	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 23°C)	50 to 60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 23°C	11.7 to 19.3	MPa	
Break, 23°C	13.8 to 31.0	MPa	
Tensile Elongation (Break, 23°C)	500 to 800	%	ASTM D638
Flexural Modulus (23°C)	193 to 276	MPa	ASTM D790
Flexural Strength (23°C)	10.3 to 17.2	MPa	ASTM D790
Compressive Strength (23°C)	13.8 to 20.7	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	117 to 125	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity ¹ (20°C)	2.0E+14	ohms · cm	ASTM D257
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (232°C, 100 sec ⁻¹)	500 to 1600	Pa · s	ASTM D3835
NOTE			
1.	65% R.H.		

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