

Kynar Superflex® 2500-25

Polyvinylidene Fluoride

Arkema

Message:

KYNAR SUPERFLEX® 2500-25 is a pelletized, semi-crystalline VF2 based copolymer with a high Limiting Oxygen Index (LOI). KYNAR SUPERFLEX® 2500-25 is used for extrusion and injection molding applications where high flexibility and/or ductility is required along with extra flame and smoke resistance.

General Information			
Features	Ductile		
	Flame Retardant		
	Good Flexibility		
	Low Smoke Emission		
	Semi Crystalline		
Forms	Pellets		
Processing Method	Extrusion		
	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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