Kynar Flex® 2750-01

Polyvinylidene Fluoride

Arkema

Message:

KYNAR FLEX® 2750-01 is a semi-crystalline VF2 based copolymer. It has been designed for applications requiring high flexibility and improved resistance to impact.
KYNAR FLEX® 2750-01 can be used in extrusion and injection molding processes.
ADDITIONAL CHARACTERISTICS:
Excellent thermal stability
Excellent abrasion resistance
Excellent purity and chemical resistance
Impervious to UV degradation
Self extinguishing material
Extremely low smoke emission characteristics
Pigmentable
KYNAR FLEX® 2751-00 is the powder version of this product.

General Information	
Features	Good Abrasion Resistance
	Good Chemical Resistance
	Good Colorability
	Good Flexibility
	Good Impact Resistance
	Good Thermal Stability
	Good UV Resistance
	High Purity
	Low Smoke Emission
	Self Extinguishing
	Semi Crystalline
Forms	Pellets
Processing Method	Extrusion
	Injection Molding
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)
	Secant Modulus vs. Strain (ISO 11403-1)
	Shear Modulus vs. Temperature (ISO 11403-1)
	Specific Volume vs Temperature (ISO 11403-2)
	Viscosity vs. Shear Rate (ISO 11403-2)

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.78 to 1.82	g/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 23°C)	55 to 62		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 23°C	13.8 to 21.4	MPa	
Break, 23°C	20.0 to 27.6	MPa	
Tensile Elongation (Break, 23°C)	200 to 400	%	ASTM D638
Flexural Modulus (23°C)	345 to 483	MPa	ASTM D790
Flexural Strength (23°C)	13.8 to 24.1	MPa	ASTM D790
Compressive Strength (23°C)	24.1 to 31.0	MPa	ASTM D695
Thermal	**Nominal Value**	**Unit**	**Test Method**
Peak Melting Temperature	130 to 138	°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)	2000 to 2500	Pa·s	ASTM D3835
NOTE			
1.	65% R.H.		

Recommended distributors for this material

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