Kynar® 461

Polyvinylidene Fluoride

Arkema

Message:

Kynar® 461 is a Polyvinylidene Fluoride (PVDF) product. It can be processed by extrusion or injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.
Characteristics include:
Crystalline
High Molecular Weight

General Information	
UL YellowCard	E54699-244844
Features	High Molecular Weight Semi Crystalline
Forms	Powder
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.75 to 1.77	g/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 23°C)	75 to 80		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield, 23°C	34.5 to 48.3	MPa	
Break, 23°C	31.0 to 48.3	MPa	
Tensile Elongation (Break, 23°C)	50 to 250	%	ASTM D638
Flexural Modulus (23°C)	1380 to 1790	MPa	ASTM D790
Flexural Strength (23°C)	48.3 to 62.1	MPa	ASTM D790
Compressive Strength (23°C)	55.2 to 68.9	MPa	ASTM D695
Thermal	**Nominal Value**	**Unit**	**Test Method**
Peak Melting Temperature	155 to 160	°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)	2350 to 2950	Pa·s	ASTM D3835
NOTE			
1.	65% R.H.		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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