

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/cm ³	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.		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT