Kynar Flex® 705

Polyvinylidene Fluoride

Arkema

Message:

KYNAR® 705 is a semi-crystalline, low molecular weight, pelletized polymer of vinylidene fluoride.

KYNAR[®] 705 is a versatile engineering plastic with an outstanding balance of physical, chemical, smoke-and-flame resistance characteristics. KYNAR[®] 705 is designed for high flow injection molding and high flow extrusion.

General Information			
Features	High Flow		
	Low Molecular Weight		
	Semi Crystalline		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.77 to 1.79	g/cm ³	ASTM D792
	1.77 (0 1.79	g/cm	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	26 to 36	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 23°C)	76 to 80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 23°C	44.8 to 55.2	MPa	
Break, 23°C	34.5 to 55.2	MPa	
Tensile Elongation (Break, 23°C)	10 to 50	%	ASTM D638
Flexural Modulus (23°C)	1380 to 2310	MPa	ASTM D790
Flexural Strength (23°C)	58.6 to 75.8	MPa	ASTM D790
Compressive Strength (23°C)	68.9 to 103	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	165 to 172	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity ¹ (20°C)	2.0E+14	ohms•cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	60	%	ASTM D2863
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (232°C, 100 sec^-1)	200 to 400	Pa∙s	ASTM D3835
NOTE			
1	65% R H		

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

