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/cm³	ASTM D792
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.		

Recommended distributors for this material

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