

Kynar® 740-02

Polyvinylidene Fluoride

Arkema

Message:

KYNAR® 740-02 is a semi-crystalline medium-high molecular weight pelletized polymer of vinylidene fluoride which contains a smoke and flame additive package. It is a versatile engineering plastic with an outstanding balance of physical, chemical, smoke and flame resistant characteristics. KYNAR 740-02 meets the (25/50) smoke and flame requirements of ASTM E-84 (UL 723).

KYNAR® 740-02 is suitable for use in most injection molding and extrusion applications.

General Information			
UL YellowCard	E54699-244849		
Additive	Flame Retardant		
Features	Flame Retardant		
	High Molecular Weight		
	Low Smoke Emission		
	Medium 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
Melt Mass-Flow Rate (MFR)	7.0 to 28	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)	20 to 100	%	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
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (232°C, 100 sec ⁻¹)	1400 to 2200	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

