Kynar Flex® 3120-10

Polyvinylidene Fluoride

Arkema

Message:

KYNAR FLEX® 3120-10 is a pelletized, semi-crystalline VF2 based copolymer. KYNAR FLEX® 3120-10 can be extruded or injection molded to make final products with a 150°C rating.
ADDITIONAL CHARACTERISTICS:
Excellent thermal stability
Excellent abrasion resistance
Impervious to UV degradation

General Information	
Features	Good Abrasion Resistance
	Good Thermal Stability
	Good UV Resistance
	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
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 23°C)	65 to 70		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield, 23°C	24.1 to 34.5	MPa	
Break, 23°C	34.5 to 48.3	MPa	
Tensile Elongation (Break, 23°C)	300 to 550	%	ASTM D638
Flexural Modulus (23°C)	621 to 827	MPa	ASTM D790
Flexural Strength (23°C)	20.7 to 34.5	MPa	ASTM D790
Compressive Strength (23°C)	31.0 to 41.4	MPa	ASTM D695
Thermal	**Nominal Value**	**Unit**	**Test Method**
Peak Melting Temperature	161 to 168	°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)	400 to 1200	Pa·s	ASTM D3835
NOTE			
1.	65% R.H.		

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