Kynar Flex® 3030-15

Polyvinylidene Fluoride

Arkema

Message:

KKYNAR FLEX ® 3030-15 is a copolymer of vinylidene fluoride and hexafluoropropylene specifically designed for flexible plenum cables and tubing. Its main characteristics are:
Very high flexibility
High melting point
Excellent Low temperature impact resistance

General Information			
Features	High Flexibility Copolymer Low temperature impact resistance		
Uses	Wire and cable applications Pipe fittings		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity [1]	1.78 - 1.82	g/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 23°C)	48 - 55		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield, 23°C	10.3 - 13.8	MPa	ASTM D638
Fracture, 23°C	15.2 - 20.7	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield, 23°C	25 - 35	%	ASTM D638
Fracture, 23°C	> 500	%	ASTM D638
Flexural Modulus (23°C)	172 - 276	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	No Break		ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Glass Transition Temperature	-40.0	°C	ASTM D7028
Peak Melting Temperature	160 - 168	°C	ASTM D3418
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity [2] (20°C)	2.0E+14	ohms·cm	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Oxygen Index	> 90	%	ASTM D2863
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**

Melt Viscosity (232°C, 100 sec^-1)	700 - 1300	Pa·s	ASTM D3835

NOTE	
1.	450°F, 100 sec -1
2.	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