

Kynar Flex® 3030-10

Polyvinylidene Fluoride

Arkema

Message:

KYNAR FLEX® 3030-10 is a copolymer of vinylidene fluoride and hexafluoropropylene specifically designed for flexible 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/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 23°C)	40 - 48		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	-42.0	°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	> 45	%	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.		

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