Kynar Flex® 2950-05

Polyvinylidene Fluoride

Arkema

Message:

KYNAR FLEX® 2950-05 is a pelletized, semi-crystalline VF2 based copolymer. It has been designed for wire and cable applications requiring high flexibility and improved resistance to impact. The low molecular weight allows extrusion conditions that reduce jacket shrinkback over fiber optic constructions.
ADDITIONAL CHARACTERISTICS:
Excellent thermal stability
Excellent abrasion resistance
Excellent chemical resistance
Impervious to UV degradation
Self extinguising material
Extremely low smoke emission characteristics
Pigmentable

General Information			
Features	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good Flexibility		
	Good Impact Resistance		
	Good Thermal Stability		
	Good UV Resistance		
	Low Molecular Weight		
	Low Smoke Emission		
	Self Extinguishing		
	Semi Crystalline		
Uses	Wire & Cable Applications		
Forms	Pellets		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.78 to 1.82	g/cm^3	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 23°C)	57 to 62		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield, 23°C	13.8 to 21.4	MPa	
Break, 23°C	20.0 to 27.6	MPa	
Tensile Elongation (Break, 23°C)	200 to 400	%	ASTM D638
Flexural Modulus (23°C)	345 to 483	MPa	ASTM D790
Flexural Strength (23°C)	13.8 to 24.1	MPa	ASTM D790
Compressive Strength (23°C)	24.1 to 31.0	MPa	ASTM D695
Thermal	**Nominal Value**	**Unit**	**Test Method**

Peak Melting Temperature	130 to 138	°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)	500 to 1200	Pa·s	ASTM D3835
NOTE			
1.	65% R.H.		

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