Kynar Flex® 2851-00

Polyvinylidene Fluoride

Arkema

Message:

KYNAR FLEX® 2850-00 is a pelletized, semi-crystalline VF2 based copolymer. The powder form of this resin is designated KYNAR FLEX® 2851-00. KYNAR FLEX® 2850-00 has been specifically designed for use in wire and cable constructions which require an Underwriters Laboratories temperature of 150°C. It is close in physical performance to KYNAR® PVDF homopolymer grades, but has a higher flexibility. KYNAR FLEX® 2850-00 is also used in chemical applications as extruded sheet and pipe liners.
ADDITIONAL CHARACTERISTICS:
Excellent thermal stability
Excellent abrasion resistance
Excellent purity and chemical resistance
Impervious to UV degradation
Self extinguishing material
Extremely low smoke emission characteristics
Pigmentable

General Information			
Features	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good Colorability		
	Good Thermal Stability		
	Good UV Resistance		
	High Purity		
	Low Smoke Emission		
	Self Extinguishing		
	Semi Crystalline		
Uses	Liners		
	Piping		
	Sheet		
	Wire & Cable Applications		
Forms	Powder		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.77 to 1.80	g/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 23°C)	70 to 75		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield, 23°C	31.0 to 41.4	MPa	
Break, 23°C	27.6 to 48.3	MPa	
Tensile Elongation (Break, 23°C)	30 to 200	%	ASTM D638

Flexural Modulus (23°C)	1030 to 1240	MPa	ASTM D790
Flexural Strength (23°C)	20.7 to 34.5	MPa	ASTM D790
Compressive Strength (23°C)	41.4 to 58.6	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	155 to 160	°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)	2300 to 2700	Pa·s	ASTM D3835
NOTE			
1.	65% R.H.		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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