Kynar Flex® 2801-00

Polyvinylidene Fluoride

Arkema

Message:

KYNAR FLEX® 2801-00 is a semi-crystalline VF2 based copolymer powder. KYNAR FLEX® 2801-00 is used in wire and cable constructions and other uses requiring high flexibility and improved resistance to impact.
KYNAR FLEX® 2801-00 is soluble in polar solvents and can be made into microporous membranes, battery binders and protective layers for fabrics.

General Information			
UL YellowCard	E54699-244851		
Features	Good Flexibility Good Impact Resistance Semi Crystalline		
Uses	Batteries Fabric Coatings Membranes Wire & Cable Applications		
Forms	Powder		
Multi-Point Data	Specific Volume vs Temperature (ISO 11403-2)		
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)	65 to 70		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield, 23°C	20.0 to 34.5	MPa	
Break, 23°C	17.2 to 34.5	MPa	
Tensile Elongation (Break, 23°C)	100 to 300	%	ASTM D638
Flexural Modulus (23°C)	483 to 758	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	140 to 145	°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)	2200 to 2700	Pa·s	ASTM D3835
NOTE			
1.	65% R.H.		

Recommended distributors for this material

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