

Kynar Flex® 2821-00

Polyvinylidene Fluoride

Arkema

Message:

KYNAR FLEX® 2821-00 is a semi-crystalline VF2 based copolymer. KYNAR FLEX® 2821-00 can be used in compounding for wire and cable applications as well as injection molding.

KYNAR FLEX® 2821-00 is a specially designed powder used as a polymer process aid (PPA) for polyolefins. The use of KYNAR FLEX® 2821-00 at 200 - 1000 ppm levels reduces extruder pressure, improves surface finish, reduces die build up, and improves gauge control.

General Information			
UL YellowCard	E54699-101066241		
Features	Good Processability		
	Good Surface Finish		
	Semi Crystalline		
Uses	Wire & Cable Applications		
Forms	Powder		
Processing Method	Compounding		
	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.77 to 1.80	g/cm ³	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)	1200 to 2000	Pa · s	ASTM D3835
NOTE			

1. 65% R.H.

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