

# Kynar Flex® 2850-04

Polyvinylidene Fluoride

Arkema

## Message:

KYNAR FLEX® 2850-4 is a pelletized, semi-crystalline VF2 based copolymer. KYNAR FLEX® 2850-04 has been specifically designed for use in injection molding.

KYNAR FLEX® 2850-04 is easily processed and has excellent physical, mechanical, thermal and flame resistant characteristics. KYNAR FLEX® 2850-04 meets the smoke and flame requirements of UL 910.

ADDITIONAL CHARACTERISTICS:

- Excellent thermal stability
- Excellent abrasion resistance
- Excellent purity and chemical resistance
- Impervious to UV degradation
- Self extinguishing material
- Pigmentable

General Information			
UL YellowCard	E54699-101066243		
Features	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good Thermal Stability		
	Good UV Resistance		
	High Purity		
	Self Extinguishing		
	Semi Crystalline		
Forms	Pellets		
Processing Method	Injection Molding		
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 <sup>1</sup> (20°C)	2.0E+14	ohms·cm	ASTM D257
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (232°C, 100 sec <sup>-1</sup> )	400 to 800	Pa·s	ASTM D3835
NOTE			
1.	65% R.H.		

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#### Recommended distributors for this material

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