

Kynar Flex® 2900-04

Polyvinylidene Fluoride

Arkema

Message:

KYNAR FLEX® 2900-04 is a pelletized, semi-crystalline VF2 based copolymer.
KYNAR FLEX® 2900-04 is used in the injection molding and extrusion of flame and smoke resistant products.
ADDITIONAL CHARACTERISTICS:
Excellent thermal stability
Excellent abrasion resistance
Extremely flexible and tough
Meets UL 910 requirements

General Information			
UL YellowCard	E54699-101066242	E54699-244853	
Features	Good Abrasion Resistance		
	Good Flexibility		
	Good Thermal Stability		
	Good Toughness		
	Semi Crystalline		
Forms	Pellets		
Processing Method	Extrusion		
	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)	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)	600 to 1200	Pa·s	ASTM D3835

NOTE

1. 65% R.H.

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