Kynar Flex® 2800-20

Polyvinylidene Fluoride

Arkema

Message:

KYNAR FLEX® 2800-20 is a pelletized, semi-crystalline VF 2 based copolymer. KYNAR FLEX® 2800-20 has been specifically designed for applications requiring high flexibility and improved resistance to impact. KYNAR FLEX® 2800-20 can be extruded or injection molded.
ADVANTAGES:
Improved flexibility at subzero temperatures to -20°C(-4°F)
Improved stress crack resistance to high pH solutions
Improved elongation at break
ADDITIONAL CHARACTERISTICS:
Easy processability using conventional equipment
Excellent thermal stability
Retains properties after aging
Pigmentable
UL temperature rating 125°C
Radiation crosslinking

General Information	
UL YellowCard	E54699-101066241
Features	Good Chemical Resistance Good Colorability Good Flexibility Good Impact Resistance Good Processability Good Thermal Stability High ESCR (Stress Crack Resist.) Low Temperature Flexibility
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)	60 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.		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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