Kynar Flex® 2850-07

Polyvinylidene Fluoride

Arkema

Message:

KYNAR FLEX® 2850-07 is a pelletized, semi-crystalline VF2 based copolymer. KYNAR FLEX® 2850-07 has been specifically designed for injection molded and extruded chemically resistant constructions.
KYNAR FLEX® 2850-07 is easily processed and has excellent physical, mechanical, thermal and flame resistant characteristics.
ADDITIONAL CHARACTERISTICS
Excellent thermal stability
Excellent abrasion resistance
Excellent purity and chemical resistance
Imprevious to UV degradation
Self extinguishing material
Extremely low smoke emission characteristics
Pigmentable

General Information	
UL YellowCard	E54699-244852
Features	Good Abrasion Resistance Good Chemical Resistance Good Colorability Good Processability Good Thermal Stability Good UV Resistance High Purity Low Smoke Emission Self Extinguishing 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)	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 [1] (20°C)	2.0E+14	ohms·cm	ASTM D257
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (232°C, 100 sec^-1)	1600 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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