

KYNAR® 740E

Kynar® resins are fluorinated thermoplastic homopolymers.

Outstanding characteristics: chemical resistance, imperviousness to UV, high barrier properties, high purity, good mechanical and thermo-mechanical properties.

Kynar® 740 E resin is a standard grade of granules for extrusion of tubes and plaques, compression and transfer molding. This product is NSF/ANSI/CAN 61 certified. This product is compliant with the EU positive list.

PROPERTIES	VALUE	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	1.4	cm³/10min	ISO 1133
Temperature	230	°C	-
	446	°F	-
Load	3.8	kg	-
	8.38	lb	-
Molding Shrinkage, parallel	2.5	%	ISO 294-4, 2577
Molding Shrinkage, normal	2.5	%	ISO 294-4, 2577
MECHANICAL PROPERTIES			
Tensile Modulus	2000	MPa	ISO 527-1/-2
	290000	psi	
Yield stress	50	MPa	ISO 527-1/-2
	7250	psi	
Yield strain	9	%	ISO 527-1/-2
Nominal Strain at Break	>50	%	ISO 527-1/-2
Charpy Notched Impact Strength, +23°C	36	kJ/m²	ISO 179/1eA
	17.1	ftlb/in²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	169	°C	ISO 11357-1/-3
Glass Transition Temperature, 10°C/min	-40	°C	ISO 11357-1/-2
Temp. of Deflection Under Load, 1.80 MPa	104	°C	ISO 75-1/-2
	219	°F	
Coeff. of Linear Thermal Expansion, parallel	150	E-6/K	ISO 11359-1/-2
Burning Behav. at 1.5 mm Nominal Thickness	V-0	class	IEC 60695-11-10
Yellow Card available	yes	-	-
Oxygen Index	42	%	ISO 4589-1/-2
OTHER PROPERTIES			

KYNAR[®] 740E

Water Absorption	0.008	%	Sim. to ISO 62
Density	1780	kg/m ³	ISO 1183
	1.78	g/cm ³	
Thermal conductivity of melt	0.19	W/(m K)	-

MAIN APPLICATIONS:

- corrosion protection in the chemical industry
- wire and cable
- coating (painting, co-extrusion)
- water transportation
- off-shore

PROCESSING

Film Extrusion, Profile Extrusion, Sheet Extrusion, Other Extrusion, Transfer Molding, Thermoforming

DELIVERY FORM

Pellets