KYNAR®
340

Kynar® resins are fluorinated thermoplastic homopolymers.

Kynar® 340 resin is a thermoplastic fluorinated polymer resin. The properties are the same as standard grade: chemical resistance, resistance to UV, low permeation, high purity, excellent mechanical behavior. More over, this grade is electrically conductive.

This grade is available as pellet form for injection, extrusion, compression.

PROPERTIES	VALUE	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	4	cm³/10 min	ISO 1133
Temperature	230	°C	-
	446	°F	
Load	10	kg	-
	22	lb	
Melt Flow Rate	3 - 8	g/10min	ASTM D1238
Temperature	230	°C	-
Load	10	kg	-
Melt Viscosity, 230°C, 100 s^{-1}	25	kPoise	ASTM D3835
MECHANICAL PROPERTIES			
Tensile Modulus	1600	MPa	ISO 527-1/-2
	232000	psi	
Yield Stress	10	MPa	ISO 527-1/-2
	1450	psi	
Yield Strain	5	%	ISO 527-1/-2
Nominal Strain at Break	40	%	ISO 527-1/-2
Charpy Notched Impact Strength, +23°C	9	kJ/m²	ISO 179/1eA
	4.28	ftlb/in²	
Charpy Notched Impact Strength, -30°C	5	kJ/m²	ISO 179/1eA
	2.38	ftlb/in²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	166	°C	ISO 11357-1/-3
Melting Point	165 - 172	°C	ASTM D3418
Oxygen Index	43	%	ISO 4589-1/-2
ELECTRICAL PROPERTIES			
Relative Permittivity, 100Hz	0.07	-	IEC 60250
Volume Resistivity	10000	Ohm*m	IEC 62631-3-1

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Surface Resistivity	10000	Ohm	IEC 62631-3-2
Dielectric (Electric) Strength	27	kV/mm	IEC 60243-1
	686	kV/in	
OTHER PROPERTIES			
Density	1780	kg/m³	ISO 1183
	1.78	g/cm³	
Specific Gravity, 73 °F	1.84 - 1.88	-	ASTM D792

PROCESSING

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion, Transfer Molding

DELIVERY FORM

Pellets, Granules

SPECIAL CHARACTERISTICS

Conductive

REGIONAL AVAILABILITY

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

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