

# 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
<b>RHEOLOGICAL PROPERTIES</b>			
Melt Volume-Flow Rate	4	cm <sup>3</sup> /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 <sup>-1</sup>	25	kPoise	ASTM D3835
<b>MECHANICAL PROPERTIES</b>			
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/m <sup>2</sup>	ISO 179/1eA
	4.28	ftlb/in <sup>2</sup>	
Charpy Notched Impact Strength, -30°C	5	kJ/m <sup>2</sup>	ISO 179/1eA
	2.38	ftlb/in <sup>2</sup>	
<b>THERMAL PROPERTIES</b>			
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
<b>ELECTRICAL PROPERTIES</b>			
Relative Permittivity, 100Hz	0.07	-	IEC 60250
Volume Resistivity	10000	Ohm* m	IEC 62631-3-1

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Source: automatically generated TDS from Material Database on 20-02-2024

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## 340

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

<b>PROCESSING</b>  Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion, Transfer Molding	Headquarters:  Arkema France 420 rue d'Estienne d'Orves 92705 Colombes Cedex France T +33 (0)1 49 00 80 80 hpp.arkema.com  Arkema Inc. – High Performance Polymers  900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
<b>DELIVERY FORM</b>  Pellets, Granules	
<b>SPECIAL CHARACTERISTICS</b>  Conductive	
<b>REGIONAL AVAILABILITY</b>  North America, Europe, Asia Pacific, South and Central America, Near East/Africa	

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