KYNAR®

TECHNICAL DATA SHEET

KYNAR® 340

FLUORINATED HOMOPOLYMER PELLET

KYNAR® resins are fluorinated thermoplastic homopolymers. 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

TYPE

PVDF

MAIN APPLICATIONS

- cpi - distribution
- cpi - stock shape

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Injection Molding

RHEOLOGICAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Melt viscosity, 230°C (446°F) at 100 s-1	25	kPo	ASTM D3835
Melt flow index (MFR), 230°C / 10 kg (446°F / 22 lb)	3 - 8	g/10min	ASTM D1238
Melt volume flow rate (MVR), 230°C / 10 kg (446°F / 22 lb)	2.2	cm³/10min	ISO 1133

MECHANICAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Tensile modulus, 23°C (73°F)	1600	MPa	ISO 527-1/-2
Yield stress, 23°C (73°F)	40	MPa	ISO 527-1/-2
Yield strain, 23°C (73°F)	5	%	ISO 527-1/-2
Nominal strain at break, 23°C (73°F)	40	%	ISO 527-1/-2
Charpy notched impact strength, 23°C (73°F)	9	kJ/m2	ISO 179 1eA
Charpy notched impact strength, -30°C (-22°F)	5	kJ/m2	ISO 179 1eA

THERMAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Melting temperature, 10°C/min	166	°C	ISO 11357-1/-3

ELECTRICAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Relative permittivity, 100Hz	0.07		IEC 62631-2-1

OTHER PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Density, 23°C (73°F)	1.84 - 1.88	g/cm³	ISO 1183-1

KYNAR® 340

PACKAGING

Available packaging:
- 25 kg / 55 lb PE bag
- 25 kg / 55 lb bags

SPECIAL CHARACTERISTICS

- Electrostatic discharge (ESD)
- Flame & smoke

Headquarters: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on https://www.arkema.com/global/en/products/product-safety/disclaimer/ which is incorporated herein by reference and made a part hereof.
Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790
arkema.com