ARKEMA

ALBIS

Kynar Superflex® 2500-20 MED

PVDF ARKEMA

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index	8	g/10min	ASTM D 1238
Temperature	235	°C	-
Load	5	kg	-

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	5.8	cm³/10min	ISO 1133

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Yield strain	18	%	ISO 527
Nominal strain at break	>50	%	ISO 527
Notched Impact Strength (Charpy), +23°C	no break	kJ/m²	ISO 179/1eA
ASTM Data			
Tensile Modulus	350	MPa	ASTM D 638
Tensile Strength at Yield	15	MPa	ASTM D 638
Tensile Strength at Break	22	MPa	ASTM D 638
Compressive Strength	17	MPa	ASTM D 695
Flexural Modulus	234	MPa	ASTM D 790
Shore Hardness D (15s)	53	-	ASTM D 2240
Notched Impact Strength (Izod), 1/8 in	no break	J/m	ASTM D 256
Impact Strength (Izod), 1/8 in	no break	J/m	ASTM D 256

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	122	°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)	31	°C	ISO 75-1/-2
ASTM Data			
Coefficient of Thermal Expansion, MD	173	E-6/K	ASTM D 696
DTUL @ 264 psi	32	°C	ASTM D 648
Limiting Oxygen Index	42	%	ASTM D 2863
Thermal Conductivity, solid state	0.16	W/(m K)	ASTM D 433

Electrical Properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	9.2E11	Ohm	ASTM D 257
Volume Resistivity	2E14	Ohm*cm	ASTM D 257

Other Properties	Value	Unit	Test Standard
ISO Data			
Water Absorption	0.05	%	Sim. to ISO 62
Density	1810	kg/m³	

Film Properties	Value	Unit	Test Standard
ISO Data			
Dynamic Coefficient of Friction	0.54	-	ASTM D 1895

Characteristics

Processing
Injection Molding, Film Extrusion, Compression Molding, Pipe/Tube Extrusion

Delivery form
Pellets

Chemical Resistance
General Chemical Resistance, Radiation Resistance

Certifications
Medical, Biocompatibility ISO 10993, US Pharmacopeia Class VI Approved

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

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Special Characteristics

Sterilizable, Ethylene Oxide (EtO) Sterilization, Steam sterilization, Gamma irradiation sterilization

Features

Barrier Properties, Light Blocking, Copolymer

Applications

Medical