

Kotex KV-75FD

Polycarbonate
Kotec Corporation

Message:

Kotex KV-75FD is a Polycarbonate (PC) product. It can be processed by extrusion and is available in Asia Pacific or Europe.
Characteristics include:
Flame Rated
Food Contact Acceptable
High Viscosity

General Information			
Features	Food Contact Acceptable		
	High Viscosity		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	< 0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	63.0	MPa	ASTM D638
Tensile Elongation (Break)	120	%	ASTM D638
Flexural Modulus	2200	MPa	ASTM D790
Flexural Strength	85.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	880	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	135	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength (1.60 mm)	20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	2.90		ASTM D150
Dissipation Factor (1 MHz)	9.0E-3		ASTM D150
Arc Resistance	110	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-2		UL 94
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.580		ASTM D542

Transmittance (3000 μm)	89.0	%	ASTM D1003
Haze (3000 μm)	< 1.0	%	ASTM D1003

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