Kotex K-20UVR28

Polycarbonate

Kotec Corporation

Message:

Kotex K-20UVR28 is a Polycarbonate (PC) product. It can be processed by injection molding and is available in Asia Pacific or Europe.
Characteristics include:
Flame Rated
Good Mold Release
Good UV Resistance
High Flow
Mold Release Agent

General Information			
Additive	Mold Release UV Stabilizer		
Features	General Purpose Good Mold Release Good UV Resistance High Flow		
Uses	General Purpose		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.20	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	28	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	2160	MPa	ASTM D790
Flexural Strength	85.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.18 mm)	690	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	130	°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 (0.400 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

Recommended distributors for this material

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