Kingfa FRHIPS-930

High Impact Polystyrene

Kingfa

Message:

Kingfa FRHIPS-930 is a High Impact Polystyrene material. It is available in Asia Pacific or North America.
Important attributes of Kingfa FRHIPS-930 are:
Flame Rated
Flame Retardant
Impact Resistant
UV Stabilized
Typical applications include:
Housings
Printing Applications

General Information			
UL YellowCard	E171666-225772		
Additive	UV Stabilizer		
Features	Flame Retardant High Impact Resistance		
Uses	Housings Printer		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.16	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.40 to 0.60	%	ASTM D955
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	96		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (23°C, Injection Molded)	24.0	MPa	ASTM D638
Tensile Elongation [2] (Break, 23°C, Injection Molded)	40	%	ASTM D638
Flexural Modulus [3] (23°C, Injection Molded)	2250	MPa	ASTM D790
Flexural Strength [4] (23°C, Injection Molded)	39.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	94	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	80.0	°C	ASTM D648

Vicat Softening Temperature	100	°C	ASTM D1525 [5]
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		
2.50 mm	5VA		
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		
5.	Rate B (120°C/h), Loading 1 (10 N)		

Recommended distributors for this material

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