Sindustris PC ER5002RFA

Polycarbonate

Sincerity Australia Pty Ltd.

Message:

Sindustris PC ER5002RFA is a Polycarbonate (PC) material. It is available in Asia Pacific for injection molding.
Important attributes of Sindustris PC ER5002RFA are:
Flame Rated
Flame Retardant
Halogen Free
Typical applications include:
Electrical/Electronic Applications
Housings

General Information	
Additive	Flame Retardant
Features	Flame Retardant Halogen Free
Uses	Computer Components Electrical/Electronic Applications Housings
UL File Number	E306922
Processing Method	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.60	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, 3.20 mm)	60.8	MPa	ASTM D638
Tensile Elongation [2] (Break, 3.20 mm)	70	%	ASTM D638
Flexural Modulus [3] (3.20 mm)	2650	MPa	ASTM D790
Flexural Strength [4] (3.20 mm)	97.1	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.20 mm)	490	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	97.0	°C	ASTM D648
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746
Flammability	**Nominal Value**		**Test Method**
Flame Rating			UL 94

1.20 mm	V-0
1.50 mm	V-0
3.00 mm	V-0

Injection	Nominal Value	Unit
Drying Temperature	75.0 to 85.0	°C
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	225 to 240	°C
Middle Temperature	240 to 255	°C
Front Temperature	250 to 265	°C
Nozzle Temperature	250 to 265	°C
Processing (Melt) Temp	235 to 265	°C
Mold Temperature	50.0 to 80.0	°C
Back Pressure	0.0196 to 0.0588	MPa
Screw Speed	40 to 70	rpm

NOTE	
1.	50 mm/min
2.	50 mm/min
3.	10 mm/min
4.	10 mm/min

Recommended distributors for this material

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WECHAT