

Lupoy® EF5001RFT

Polycarbonate + ABS

LG Chem Ltd.

Message:

Lupoy®EF5001RFT is a polycarbonate acrylonitrile butadiene styrene (PC ABS) material. This product is available in North America, Latin America, Europe or Asia Pacific. The processing method is injection molding.

Lupoy®The main features of the EF5001RFT are:

flame retardant/rated flame

Flame Retardant

Halogen-free

Lupoy®The typical application fields of EF5001RFT are: housing

General Information			
UL YellowCard	E353371-101218055		
Additive	Flame retardancy		
Features	Halogen-free		
	Flame retardancy		
Uses	Shell		
Agency Ratings	EU Eco		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 - 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	56.9	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	30	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2450	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 3.20 mm)	93.2	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 (0.45 MPa, Unannealed, 6.40 mm)	94.0	°C	ASTM D648
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI	60.0	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
1.60 mm	V-0	UL 94	
3.20 mm	V-0	UL 94	

Injection	Nominal Value	Unit
Drying Temperature	75.0 - 85.0	°C
Drying Time	3.0 - 4.0	hr
Rear Temperature	220 - 240	°C
Middle Temperature	230 - 250	°C
Front Temperature	230 - 250	°C
Nozzle Temperature	230 - 250	°C
Processing (Melt) Temp	240 - 260	°C
Mold Temperature	60.0 - 80.0	°C
Back Pressure	0.981 - 3.92	MPa
Screw Speed	40 - 70	rpm

Extrusion instructions

Minimum Moisture Content: 0.04%

NOTE

- | | |
|----|-----------|
| 1. | 50 mm/min |
| 2. | 50 mm/min |
| 3. | 10 mm/min |
| 4. | 10 mm/min |

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