

EXCELLOY EKF54

Acrylonitrile Butadiene Styrene

Techno Polymer Co, Ltd.

Message:

EXCELLOY EKF54 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific or North America.

Characteristics include:

- Flame Rated
- Flame Retardant
- Antistatic
- Conductive

General Information			
UL YellowCard	E54297-100072256		
Additive	Antistatic		
	Flame Retardant		
Features	Antistatic		
	Conductive		
	Flame Retardant		
UL File Number	E54297		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	45	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	44.0	MPa	ISO 527-2
Flexural Modulus	2100	MPa	ISO 178
Flexural Stress	62.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+11	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (2.50 mm, ALL)	V-0		UL 94

Injection	Nominal Value	Unit
Drying Temperature	75.0 to 85.0	°C
Drying Time	2.0 to 5.0	hr
Rear Temperature	180 to 230	°C
Middle Temperature	180 to 230	°C
Front Temperature	180 to 230	°C
Mold Temperature	40.0 to 80.0	°C

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Recommended distributors for this material

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