

# EXCELLOY EKF55

Acrylonitrile Butadiene Styrene

Techno Polymer Co, Ltd.

Message:

EXCELLOY EKF55 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
- Antistatic
- Conductive

General Information			
UL YellowCard	E54297-100075524		
Additive	Antistatic		
Features	Antistatic		
	Conductive		
UL File Number	E54297		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	60	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	2130	MPa	ISO 178
Flexural Stress	62.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.0	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	78.0	°C	ISO 75-2/B
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	3.0E+10	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 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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