

BIOLLOY KF1380

Polylactic Acid + ABS

Techno Polymer Co, Ltd.

Message:

BIOLLOY KF1380 is a Polylactic Acid + ABS (PLA+ABS) product. It is available in Asia Pacific or North America.

Characteristics include:

Flame Rated

Flame Retardant

Eco-Friendly/Green

General Information			
UL YellowCard	E54297-100977660		
Additive	Flame Retardant		
Features	Flame Retardant		
	Renewable Resource Content		
UL File Number	E54297		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	50	g/10 min	ISO 1133
Molding Shrinkage	0.50 to 0.80	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	50.0	MPa	ISO 527-2
Flexural Modulus	2210	MPa	ISO 178
Flexural Stress	72.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	17	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
1.8 MPa, Unannealed	65.0	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating (1.20 mm, ALL)	V-2		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	75.0	°C	
Rear Temperature	190 to 260	°C	
Middle Temperature	190 to 260	°C	
Front Temperature	190 to 260	°C	
Mold Temperature	40.0 to 80.0	°C	

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