

ISOPAK® 547M

Acrylonitrile Butadiene Styrene
Great Eastern Resins Industrial Co Ltd (GRECO)

Message:

ISOPAK® 547M is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific, Europe, or North America for injection molding. Primary attribute of ISOPAK® 547M: Flame Rated.

Typical applications include:

Housings
Packaging

General Information			
Features	Platable		
Uses	Cosmetic Packaging		
	Housings		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	2.4	g/10 min	ASTM D1238
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C, 3.18 mm)	41.2	MPa	ASTM D638
Flexural Modulus ¹ (23°C)	2450	MPa	ASTM D790
Flexural Strength ² (Yield, 23°C)	67.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) ³ (23°C)	23.5	kJ/m ²	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	HB		UL 94
NOTE			
1.	2.8 mm/min		
2.	2.8 mm/min		
3.	1/4" x 1/2" x 5/2" sample		

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