

ISOPAK® 569

Acrylonitrile Butadiene Styrene

Great Eastern Resins Industrial Co Ltd (GRECO)

Message:

ISOPAK® 569 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific, Europe, or North America for extrusion or thermoforming.

Primary attribute of ISOPAK® 569: Flame Rated.

Typical applications include:

Consumer Goods

Hose/Tubing

Safety Equipment

General Information			
UL YellowCard	E85466-251744		
Uses	Luggage		
	Safety Helmets		
	Tubing		
Forms	Pellets		
Processing Method	Extrusion		
	Thermoforming		

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)	0.50 to 1.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	100		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C, 3.18 mm)	44.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	30	%	ASTM D638
Flexural Modulus ¹ (23°C)	2260	MPa	ASTM D790
Flexural Strength ² (Yield, 23°C)	68.6	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ³ (23°C)	290	J/m	ASTM D256A
Notched Izod Impact (Area) ⁴ (23°C)	33.3	kJ/m ²	ASTM D256A

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	88.0	°C	ASTM D648
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746

Electrical	Nominal Value	Unit	Test Method
High Amp Arc Ignition (HAI) (1.57 mm)	200		UL 746
High Voltage Arc Tracking Rate (HVTR) (1.57 mm)	0.00	mm/min	UL 746
Hot-wire Ignition (HWI) (1.57 mm)	15	sec	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	HB		UL 94
NOTE			
1.	2.8 mm/min		
2.	2.8 mm/min		
3.	1/8x1/2x5/2 in		
4.	1/4" x 1/2" x 5/2" sample		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

