

Jamplast JPHIPSI

High Impact Polystyrene

Jamplast, Inc.

Message:

Jamplast JPHIPSI is a High Impact Polystyrene material. It is available in North America for injection molding.

Important attributes of Jamplast JPHIPSI are:

Food Contact Acceptable

High Flow

Impact Resistant

Typical applications include:

Appliances

Household Applications

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	High Flow		
Uses	Appliances		
	Household Goods		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	7.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	29.4	MPa	ASTM D638
Tensile Elongation ² (Yield)	45	%	ASTM D638
Flexural Modulus (3.20 mm)	2210	MPa	ASTM D790
Flexural Strength (Yield, 3.20 mm)	44.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	90	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	82.8	°C	ASTM D648
Vicat Softening Temperature	102	°C	ASTM D1525 ³
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	Rate B (120°C/h)		

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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

