

Jampilen HP640H

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP640H is a polypropylene homopolymer specifically designed for thermoforming application and offers a very high stiffness, excellent contact clarity, high gloss and good antistatic properties. Jampilen HP640H allows stable, clean and easy processing. Besides excellent optical properties, this grade also offers excellent organoleptic properties and a good stiffness-impact balance. The high temperature resistance allows using this product for hot fill applications. Jampilen HP640H is suitable for food contact.

General Information	
Additive	Antistatic
Features	Antistatic
	Clean/High Purity
	Food Contact Acceptable
	Good Organoleptic Properties
	Good Processing Stability
	High Clarity
	High Gloss
	High Heat Resistance
	High Impact Resistance
	High Stiffness
	Homopolymer
	Low Warpage
	Opticals
Uses	Containers
	Cups
	Packaging
	Support Trays
	Thermoformed Containers
Processing Method	Sheet Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength (Yield)	37.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1750	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	114	°C	ASTM D648
Vicat Softening Temperature	155	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
Optical	Nominal Value	Unit	Test Method
Gloss	65		ASTM D2457
Haze	32	%	ASTM D1003
NOTE			

1. Loading 1 (10 N)

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