

Jampilen HA840R

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HA840R is a special polypropylene type which features an extremely high stiffness and high gloss. It has been especially developed for the production of stiff injection molded articles where high rigidity is needed. Typical applications of Jampilen HA840R include food packaging containers, housewares, small appliances and technical parts. The composition of the product complies well with FDA norms and with regulations concerning food contact applications in major European countries.

General Information			
Features	Food Contact Acceptable		
	Good Stiffness		
	High Gloss		
	High Rigidity		
	Homopolymer		
Uses	Caps		
	Closures		
	Engineering Parts		
	Food Containers		
	Furniture		
	Household Goods		
	White Goods & Small Appliances		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	111		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.0	MPa	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus	2350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	128	°C	ASTM D648
Vicat Softening Temperature	159	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012

Optical	Nominal Value	Unit	Test Method
Gloss (60°)	95		ASTM D2457
Haze (1000 μm)	40	%	ASTM D1003
NOTE			
1.	Loading 1 (10 N)		

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