

HP840R

Homopolymer

Description:

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 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.

Typical Applications

- Food packaging containers
- Housewares
- Furniture
- Small appliances
- Technical parts
- Caps and closures

Features: High stiffness, High gloss

Suitable for: Injection molding applications

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	20	g/10 min	ASTM D1238
Density	0.91	g/cm ³	ASTM D1505
Flexural Modulus	2350	MPa	ASTM D790
Tensile Strength at Yield	41	MPa	ASTM D638
Tensile Elongation at Yield	5	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	31	J/m	ASTM D256
Rockwell Hardness	111	R Scale	ASTM D785
Vicat softening point (10 N)	159	°C	ASTM D1525
H.D.T. (0.46 MPa)	128	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012
Haze (1mm)	40	%	ASTM D1003
Gloss (60°)	95	--	ASTM D2457

* Typical values; not to be considered as product specification.