

HP500H

Homopolymer

Description:

HP500H is a polypropylene homopolymer for general injection molding applications. Besides the high stiffness and good impact strength, HP500H offers good processability. HP500H is suitable for a wide range of applications such as appliance components, textile bobbins, wheels, fittings, caps, closures, and household articles. HP500H is suitable for food contact.

Typical Applications

- Appliance components
- Textile bobbins
- Wheels
- Fittings
- Caps, closures
- Household articles

Features: Good impact strength, High stiffness, Good processability, Homopolymer

Suitable for: Injection molding applications

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	1.8	g/10 min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	1650	MPa	ASTM D790
Tensile Strength at Yield	35	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	60	J/m	ASTM D256
Rockwell Hardness	105	R Scale	ASTM D785
Vicat softening point (10 N)	154	°C	ASTM D1525
H.D.T. (0.46 MPa)	94	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012

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