

HP548R

Homopolymer

Description:

HP548R is a homopolymer polypropylene for injection molding applications bearing nucleation and antistatic additivition. HP548R exhibits good stiffness combined with good flowability. The main applications of HP548R are caps, closures, furniture and housewares. HP548R is suitable for food contact.

Typical Applications

- Furniture
- Injection Molded Caps and Closures
- Housewares
- TWIM Food Containers
- Opaque containers

Features: Good Flow, Good stiffness, Antistatic properties, Nucleated

Suitable for: Injection molding applications

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16kg)	23	g/10 min	ISO 1133
Density	0.9	g/cm ³	ISO 1183
Tensile Modulus	1650	MPa	ISO 527-1, -2
Tensile Strength at Yield (50 mm/min)	35	MPa	ISO 527-1, -2
Tensile Elongation at Break (50 mm/min)	>50	%	ISO 527-1, -2
Tensile Elongation at Yield (50 mm/min)	8	%	ISO 527-1, -2
Charpy impact strength (Notch A) 23 °C	2.5	kJ/m ²	ISO 179
Ball indentation hardness (H 358/30)	78	MPa	ISO 2039-1
Vicat softening point A50	154	°C	ISO 306
H.D.T. B (0.45 MPa)	95	°C	ISO 75B-1, -2

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