PRODUCT DATA SHEET

PH512

POLYPROPYLENE HOMOPOLYMER

Product Description

PH512 is a homopolymer with a good melt flow and stiffness suitable to be used for general purpose injection moulding applications.

Characteristics

- Medium flow
- Medium stiffness

Applications

- Caps & closures
- Housewares & rigid packaging items

Properties

Typical Properties	Test Method	Units	Typical Value
Physical			
Melt Flow Rate @ 230 °C/2.16 kg	ISO 1133	g/10min	12
Density	ISO 1183	g/cm^3	0.90
Mechanical			
Flexural Modulus	ISO 178	MPa	1475
Tensile Modulus	ISO 527-2	MPa	1550
Tensile Stress at Yield	ISO 527-2	MPa	35
Tensile Strain at Break	ISO 527-2	%	>50
Tensile Strain at Yield	ISO 527-2	%	10
Impact			
Izod Notched @ 23 °C min	ISO 180/1A	kJ/m²	3.4
Thermal			
Vicat Softnening Temperature (A/50N)	ISO 306	°C	153
Heat Deflection Temperature B (0.45MPa, Unannealed)	ISO 75B-2	°C	95

Note: The above are typical data representing the product; not to be construed as analysis certificate or specifications. User should confirm results by their own tests.

Typical Processing Conditions

PH512 can be processed on most standard injection moulding conversion equipment designed for PP. Optimization may be required depending on the exact end use requirement. Recommended melt temperature in the range of 190-240°C can be used.

Regulatory Information

Details of information will be provided in a relevant declaration letter upon request.

Processing and Handling

PH512 should be stored in a dry, under shaded and ventilated environment at a temperature below 50°C. Prolonged or improper storage can result in deterioration of product properties.

Health and Safety

This product is not classified as a dangerous preparation. Before using this product, customer is advised to consult PRefChem's Safety Data Sheet (SDS) to understand the precautions in various aspect of safety, recovery and disposal of the product.

For More Information

Please contact:
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