

Advanced PP H118 / 1100L

Polypropylene Homopolymer



Product Description

Advanced PP H118 is a polypropylene homopolymer designed for general injection molding applications. It offers a medium flow rate with a balance of stiffness and impact resistance, making it suitable for a variety of products.

General

Typical Application

- Housewares
- Furniture
- Closures

Product Features

- Medium Flow Rate
- Good Stiffness/Impact Balance
- Suitable for Injection Molding

Regulatory Status

- Compliance with Reach regulation
- Compliance with FDA regulation
- Compliance with European Union Regulation (EU) 10/2011

Type	Properties	Unit	Value	Test Method
Resin	Density	g / cm ³	0.9	ISO 1183
	Melt Flow Rate (MFR)	g / 10 min	6	ISO 1133
Mechanical	Tensile Modulus	MPa	1500	ISO 527-2
	Tensile Stress at Yield	MPa	34	ISO 527-2
	Tensile Strain at Break	%	>50	ISO 527-2
	Izod Notched (23°C)	J / m	3.5	ISO 180/1A
	Charpy Impact strength notched (+23°C)	KJ / m ²	3.5	ISO 179/1eA
	Ball indentation hardness (H 358/30)	MPa	74	ISO 2039-1
Thermal	Melting Point, DSC	°C	163	ISO 3146
	Vicat Softening Temperature (A/50, 10 N)	°C	154	ISO 306
	Heat Deflection Temperature B, (0.45 MPa)	°C	85	ISO 75-2

Note:

- Values presented in this technical data sheet are typical values obtained from product testing and should not be construed as product specifications or analytical certifications. These values are provided for reference only.
- It is recommended to dry the resin before use. Moisture condensation may arise under fluctuating temperatures and high humidity.
- Appropriate storage conditions must be observed. Resin must be protected from direct exposure to sunlight, temperatures above 40°C, and high humidity.