

Advanced PP H421 / 1102M

Polypropylene Homopolymer



Product Description

Advanced PP H421 is a polypropylene homopolymer for cast film applications. The grade does not contain any slip & anti-blocking agents.

Typical application; packaging foodstuffs such as pasta, snacks, biscuits, bakery products and confectionery. Packaging for flowers, book stationery, shirts, etc.

Can also be used in tape yarn, mono filaments and strapping applications.

General

Typical Application

- Packaging film for food
- Flexible packaging
- Textile packaging

Product Features

- Superior flowability
- Outstanding optical clarity

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	8	ISO 1133
Mechanical	Flexural Modulus	MPa		ISO 178
	Tensile Modulus	MPa	1500	ISO 527-2
	Tensile Stress at Yield	MPa	35	ISO 527-2
	Tensile Strain at Yield	%	9	ISO 527-2
	Tensile Strain at Break	%	>50	ISO 527-2
	Charpy Impact strength notched (+23°C)	KJ / m ²	3.5	ISO 179/1eA
	Ball indentation hardness (H 358/30)	MPa	77	ISO 2039-1
Thermal	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.