

Technical Data Sheet

PP H421 / 1102M

Polypropylene Homopolymer



Product Description

Advanced PP H421 is a polypropylene homopolymer specifically formulated for cast film and double bubble BOPP film applications. The grade does not contain any slip and anti-blocking additives. This will promote enhanced printability and adhesion for downstream fabrication.

General

Typical Application

- Stationery
- Packaging film for food
- Drinking Straws

Product Features

- Superior flowability
- Excellent tensile strength
- 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	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
	Vicat Softening Temperature (A/50, 10 N)	°C	154	ISO 306
Thermal	Heat Deflection Temperature B, (.45 MPa)	°C	85	ISO 75-2

