

Advanced PP H144CX

Polypropylene Homopolymer



Product Description

Advanced PP H144CX is a high melt flow homo-polymer featuring a narrow molecular weight distribution. It is designed for high-speed injection molding of thin-walled components, offering transparency and optimized antistatic characteristics. Advanced PP H144CX can be processed at elevated speeds for producing thin-walled parts, including those with complex geometries, while minimizing distortion. Typical applications include cosmetic and food packaging.

General

Typical Application

- Packaging materials
- Household items
- Office supplies

Product Features

- High melt flow
- Dimensional stability
- Antistatic properties

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	35	ISO 1133
Mechanical	Flexural Modulus	MPa	1600	ISO 178
	Tensile Stress at Yield	MPa	36	ISO 527-2
	Tensile Strain at Yield	%	9	ISO 527-2
	Charpy Impact strength notched (+23°C)	KJ / m ²	2	ISO 179/1eA
Thermal	Vicat Softening Temperature (A/50, 10 N)	°C	154	ISO 306
	Heat Deflection Temperature B, (.45 MPa)	°C	104	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.