

Technical Data Sheet

PP H244GX / 1101SC

Polypropylene Homopolymer



Product Description

Advanced PP H244GX is a polypropylene homopolymer specifically engineered for fiber applications. It has exceptionally high melt flowability, facilitating efficient processing and consistent product characteristics. Advanced PP H244GX has a very narrow molecular weight distribution offering consistency in processing. Advanced PP H244GX exhibits good balance of mechanical properties and processability. These combined attributes make Advanced PP H244GX particularly well-suited for the high-speed production of fine titer spunbond nonwovens. The incorporation of an advanced phenol-free stabilizer package ensures exceptional gas fading resistance.

General

Typical Application

- Hygiene fabrics (diapers, wipes, medical gowns)
- Filtration media (air and liquid)
- Specialty nonwovens (composites, wipes)

Product Features

- Excellent processability at high line speeds
- Consistent fiber diameter and nonwoven uniformity
- High gas fading resistance and inherent UV stability

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	Tensile Modulus	MPa	1450	ISO 527-2
	Tensile Stress at Yield	MPa	34	ISO 527-2
	Tensile Strain at Yield	%	8	ISO 527-2
	Tensile Strain at Break	%	>50	ISO 527-2
	Charpy Impact strength notched (+23°C)	KJ / m ²	2.5	ISO 179/1eA
	Ball indentation hardness (H 358/30)	MPa	70	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

