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 / cm³	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 / m²	2.5	ISO 179/1eA
	Ball indentation hardness (H 358/30)	MPa	70	ISO 2039-1
Thermal	Vicat Softening Temperature (A/50, 10 N)	°C	154	ISO 306
	Heat Deflection Temperature B, (.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.

AGMC
Advanced Global Marketing Company

P.O. Box: 11022
Jubail Industrial City 31961
www.advancedpetrochem.com