Technical Data Sheet

Advanced PP 1101P / H235G

Polypropylene Homopolymer

Product Description

Advanced PP H235G is a medium-flow polypropylene homopolymer fiber grade formulated for efficient processing and consistent product quality. This resin exhibits a balanced molecular weight distribution and moderate crystallinity, contributing to its excellent performance in various fiber applications. Advanced-PP H235G is ideally suited to produce staple fibers, high denier bulked continuous filaments (BCF) yarn, and continuous filaments (CF) at medium line speed. Notably, this grade incorporates an advanced, phenol-free stabilizer package, ensuring exceptional resistance to gas fading and offering inherent basic ultraviolet (UV) stability. This advanced formulation minimizes potential discoloration during processing and enhances the long-term performance of the resulting fibers.

General

Typical Application

- Continuous filaments (CF)
- Bulked continuous filaments (BCF)
- Filter Fabric

Product Features

- Controlled Flowability
- Optimized Molecular Weight Distribution
- Balanced Crystallinity
- Advanced Phenol-Free Stabilization Package

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	18	ISO 1133
Mechanical	Tensile Modulus	MPa	1500	ISO 527-2
	Tensile Stress at Yield	MPa	35	ISO 527-2
	Tensile Strain at Yield	%	10	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