Technical Data Sheet

Advanced PP 1101S / H239G

Polypropylene Homopolymer

Product Description

Advanced PP H239G is a polypropylene homopolymer specifically engineered for fiber applications. This grade is distinguished by its high flowability, facilitating efficient processing during fiber production. Furthermore, Advanced-PP H239G exhibits a medium molecular weight distribution, contributing to a well-balanced fiber morphology with desirable mechanical properties. This grade incorporates a phenol-free anti-gas fading stabilization system, ensuring excellent colorfastness even under harsh environmental conditions. Additionally, Advanced-PP H239G possesses inherent UV stability, for excellent unti-gas-fading properties. This combination of properties makes Advanced-PP H239G a compelling choice for the production of high-performance continuous filaments (CF) and bulked continuous filaments (BCF).

General

Typical Application

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

Product Features

- High Melt Flow Rate
- Medium Molecular Weight Distribution
- 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	24	ISO 1133
Mechanical	Tensile Modulus	MPa	1500	ISO 527-2
	Tensile Stress at Yield	MPa	35	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	78	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.

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