

Technical Data Sheet

PP H239G / 1101S

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. The 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 / cm ³	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 / m ²	2.5	ISO 179/1eA
	Ball indentation hardness (H 358/30)	MPa	78	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

