Technical Data Sheet

Advanced PP 1102LQ / H316

Polypropylene Homopolymer

Product Description

Advanced PP H316 is a polypropylene homopolymer with narrow MFR and very low water carry over properties. Specifically designed for stretched tape yarn, carpet backing, and artificial grass, it is also suited for Raffia and thermoforming applications

General

Typical Application

- Stretched Tape Yarn, Carpet Backing, Artificial Grass
- Raffia Production
- Thermoforming Applications

Product Features

- Narrow Melt Flow Rate
- Low Water Carry-Over
- Dimensional 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	4.5	ISO 1133
Mechanical	Tensile Modulus	MPa	1500	ISO 527-2
	Tensile Stress at Yield	MPa	34	ISO 527-2
	Tensile Strain at Yield	%	9	ISO 527-2
	Tensile Stress at Break	MPa	>50	ISO 527-2
	Izod Notched (23°C)	KJ / m²	3.5	ISO 180/1A
	Charpy Impact strength notched (+23°C)	KJ / m²	3.5	ISO 179/1eA
	Ball indentation hardness (H 358/30)	MPa	74	ISO 2039-1
Thermal	Melting Point, DSC	°C	163	ISO 3146
	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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