Technical Data Sheet

Adfree PP H510M

Polypropylene Homopolymer

Product Description

Adfree PP H510M is a phthalate free polypropylene homopolymer designed for the production of biaxially oriented polypropylene films (BOPP). Typical applications are packaging films and Solid Phase Thermoforming sheets. It offers good optical properties, easy processing, and a very good film profile. The product is suitable for metallizable film, both as monolayer and in coextruded structures. It contains a standard processing stabilization but does not contain any slip, antiblocking agents, and no Calcium Stearate is intentionally added.

General

Typical Application

- Food Packaging
- Cosmetic Packaging
- Laminated Structures

Product Features

- High Clarity/High Gloss
- Metallizable
- Good Processing

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	3	ISO 1133
Mechanical	Tensile Modulus	MPa	1450	ISO 527-2
	Tensile Stress at Yield	MPa	34	ISO 527-2
	Tensile Strain at Yield	%	12	ISO 527-2
	Tensile Stress at Break	MPa	23	ISO 527-2
	Tensile Strain at Break	%	>50	ISO 527-2
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.
- It is recommended to dry the resin before use. Moisture condensation may arise under fluctuating temperatures and high humidity.
- Appropriate storage conditions must be observed. Resin must be protected from direct exposure to sunlight, temperatures above 40°C, and high humidity.

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