Manufacturer website: https://www.petkim.com.tr/

Technical Data Sheet

PETOPLEN AG251
Polypropylene (PP)

Description

PETOPLEN AG251 is a homopolymer polypropylene resin with narrow molecular weight distribution. The material is produced by controlled rheology (CR) technology and formulated with anti-gas fading stabilization package. It is suitable for fiber extrusion applications.

Applications

Fiber production for nonwoven spun bond: hygiene, agriculture, geotextile, etc.
Fiber production for textile: carpets, rugs, furnishing fabrics

Compliance to Regulations

The formulation and production of PETOPLEN AG251 conforms to the compositional requirements of the Commission Regulation (EU) No. 10/2011.

Properties	Typical Values (*)	Units	Test Methods
Resin Properties			
Melt Flow Rate (230°C/2.16 kg)	24	g/10 min	ASTM D1238
Density	0.905	g/cm³	ASTM D1505
Melting Point (DSC, 2nd heating)	163	°C	ASTM D3418
Mechanical Properties (**)			
Tensile Strength at Yield	38	MPa	ASTM D638
Flexural Modulus, 23°C	1450	MPa	TS EN ISO 178
Izod Impact Strength, 23°C (notched)	20	J/m	ASTM D256
Rockwell Hardness	96	R-scale	ASTM D785
Thermal Properties			
Heat Deflection Temperature, 0.45 MPa	95	°C	ISO 75

(*) These are typical properties only and are not to be construed as specifications. Customers should confirm results by their own tests.
(**) The values given are measured based on compression molded sheet.

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Recommended Processing Conditions

Injection molding applications;
Typical melt temperature: 200 - 260°C
Typical mold temperature: 20 - 40°C
Typical injection pressure: 25 - 55 MPa

Processing conditions should be optimized for different equipment design.

Health, Safety and Food Contact Regulations

The detailed information of the PETOPLEN AG251 product is given in Safety Data Sheet and Food Contact Declaration of the product. Please contact your sales representatives or visit web site for the food contact application compliance (e.g. EU, FDA) and other regulatory documents.

Packing and Storage

The material is packaged in PE bags or in PP Big Bags. The product should be stored in a dry area with an ambient temperature below 50°C. It should be kept away from sunlight, sparks, heat and flame. Inappropriate storage conditions can lead to bad smell, color changes and the deterioration in physical properties. It is advised to process PP resins within 6 months after delivery. Prior to processing PP product bags shall be kept in production area for at least 12 hours.

Recycling

The product is not hazardous or toxic and it is suitable for recycling using available recycling methods.

Medical Applications Policy

The product mentioned herein is not tested for use in pharmaceutical/medical applications. It is the responsibility of the final product manufacturer to determine that PETKIM product is suitable for intended use.

Disclaimer

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