

## **PETOPLEN MH318**

### **Polypropylene (PP)**

#### **Description**

PETOPLEN MH318 is a homopolymer polypropylene resin with medium molecular weight distribution. The material is developed for monofilament production applications.

#### **Applications**

Woven bags, ropes, flat tapes, straps, etc.

#### **Compliance to Regulations**

The formulation and production of PETOPLEN MH318 conforms to the compositional requirements of the Commission Regulation (EU) No. 10/2011.

<b>Properties</b>	<b>Typical Values (*)</b>	<b>Units</b>	<b>Test Methods</b>
<b>Resin Properties</b>			
Melt Flow Rate (230°C/2.16 kg)	3.5	g/10 min	ASTM D1238
Density	0.905	g/cm <sup>3</sup>	ASTM D1505
Melting Point (DSC, 2nd heating)	163	°C	ASTM D3418
<b>Mechanical Properties (**)</b>			
Tensile Strength at Yield	34	MPa	ASTM D638
Flexural Modulus, 23°C	1400	MPa	TS EN ISO 178
Izod Impact Strength, 23°C (notched)	22	J/m	ASTM D256
Rockwell Hardness	94	R-scale	ASTM D785
<b>Thermal Properties</b>			
Heat Deflection Temperature, 0.45 MPa	83	°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**

Film extrusion application;  
Typical zone temperatures: 220 - 250°C  
Typical die head temperature: 250°C

Processing conditions should be optimized for different equipment design.

### **Health, Safety and Food Contact Regulations**

The detailed information of the PETOPLEN MH318 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.

### **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.

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