

TIPPLEN® H 543 F

Polypropylene Homopolymer

MOL Petrochemicals Co. Ltd.

Message:

TIPPLEN H 543 F is a homopolymer polypropylene with medium molecular weight, good mechanical properties and outstanding processability. This grade shows low water carry-over due to its special stabilization.

TIPPLEN H 543 F is recommended for film yarns. Textiles film yarns with a denier count of not more than 1100 to 1200 are used for production of carpet backings, bags, industrial fabrics and mats. Yarns with a denier count of 3000 to 28000 are used for baler twines, packaging twines and ropes. TIPPLEN H 543 F is also recommended for cast and blown films, stiff sheets for thermoforming of cups, packaging of diary products and fruit-trays.

TIPPLEN H 543 F is suitable for food contact. The product complies with Food Contact Regulations.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Homopolymer		
	Low Water Carryover		
	Medium Molecular Weight		
	Recyclable Material		
Uses	Bags		
	Carpet Backing		
	Cast Film		
	Cups		
	Fabrics		
	Film		
	Food Packaging		
	Industrial Applications		
	Rope		
	Sheet		
	Textile Applications		
	Twine		
	Yarn		
Forms	Pellets		
Processing Method	Blown Film		
	Cast Film		
	Extrusion		
	Injection Molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	101		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1600	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	35.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	9.5	%	ISO 527-2
Flexural Modulus (Injection Molded)	1700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C, Injection Molded)	5.5	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	105	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 240	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 240	°C	

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Recommended distributors for this material

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