

# TIPPLEN® H 681 F

Polypropylene Homopolymer  
MOL Petrochemicals Co. Ltd.

Message:

TIPPLEN H 681 F is a homopolymer polypropylene with medium molecular weight and outstanding mechanical properties for extrusion. The product shows excellent processability in extrusion applications.

TIPPLEN H 681 F is recommended for extrusion for cast and blown films, textiles film yarns with a denier count of not more than 1100 to 1200 and issued for the production of carpet backing, bags, baler twines, packaging twines, ropes and mats.

Therefore TIPPLEN H 681 F is also recommended for blow moulded bottles, extrusion of sheets for thermoforming, packaging for diary products, fruit-trays, biscuits, chocolates, etc.

TIPPLEN H 681 F is suitable for food contact. The product complies with Food Contact Regulations.

General Information	
Features	Food Contact Acceptable
	Good Processability
	Homopolymer
	Medium Molecular Weight
	Recyclable Material
Uses	Bags
	BCF Yarn
	Blow Molding Applications
	Bottles
	Carpet Backing
	Cast Film
	Film
	Food Packaging
	Rope
	Textile Applications
	Twine
Forms	Pellets
Processing Method	Blow Molding
	Blown Film
	Cast Film
	Extrusion
	Sheet Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.7	g/10 min	ISO 1133

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	96		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1500	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	36.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	10	%	ISO 527-2
Flexural Modulus (Injection Molded)	1650	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C, Injection Molded)	7.0	kJ/m <sup>2</sup>	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	98.0	°C	ISO 75-2/B
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 245	°C	

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#### Recommended distributors for this material

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