# TIPPLEN® H 145 F

## Polypropylene Homopolymer

### MOL Petrochemicals Co. Ltd.

#### Message:

TIPPLEN H 145 F is a homopolymer polypropylene with low molecular weight and narrow molecular weight distribution. This product has high melt flow and outstanding processability for shorter cycle times. This grade contains anti gas fading additive package.

TIPPLEN H 145 F is particularly suitable for bulked continuous filaments for carpets, high tenacity continuous filaments for straps and safety belts. Continuous filament with medium tenacity is used for upholstery and sportswear. This grade is also suitable for low denier staple fibres for non-woven fabrics. It exhibits excellent anti-gasfading properties.

TIPPLEN H 145 F is also recommended for injection moulding of thin-walled packaging products, toys, household and kitchen articles. TIPPLEN H 145 F is suitable for food contact. The product complies with Food Contact Regulations and Toy Safety Regulations.

General Information				
Features	Food Contact Acceptable			
	Gas-fading Resistant			
	High Flow			
	Homopolymer			
	Recyclable Material			
Uses	BCF Yarn			
	Carpet Backing			
	Fabrics			
	Fibers			
	Filaments			
	Furniture			
	Non-specific Food Applications			
	Nonwovens			
	Sporting Goods			
	Staple Fibers			
	Strapping			
	Thin-walled Packaging			
	Toys			
Forms	Pellets			
Processing Method	Extrusion			
	Injection Molding			
Physical	Nominal Value	Unit	Test Method	
Melt Mass-Flow Rate (MFR) (230°C/2.16				
kg)	25	g/10 min	ISO 1133	
Hardness	Nominal Value	Unit	Test Method	
Rockwell Hardness (R-Scale)	104		ISO 2039-2	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1800	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	39.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	8.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	1900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
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Injection Molded)	3.0	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa			
Unannealed)	109	°C	ISO 75-2/B
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Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 235	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 235	°C	

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#### Recommended distributors for this material

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