

TIPPLEN® H 781 F

Polypropylene Homopolymer
MOL Petrochemicals Co. Ltd.

Message:

TIPPLEN H 781 F is a homopolymer polypropylene with high molecular weight and very good mechanical properties. The product shows excellent processability in extrusion applications.
TIPPLEN H 781 F is recommended for extrusion of sheets, profiles, straps, and small diameter pipes such as refills for ballpoint pens, straws, etc.
Furthermore it is also recommended for injection moulding of technical items such as cops, spools.
TIPPLEN H 781 F is suitable for food contact. The product complies with Food Contact Regulations.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Molecular Weight		
	Homopolymer		
	Recyclable Material		
Uses	Drinking Straws		
	Piping		
	Profiles		
	Sheet		
	Strapping		
	Writing Instruments		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Pipe Extrusion		
	Profile Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.70	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	93		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1550	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	35.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	11	%	ISO 527-2
Flexural Modulus (Injection Molded)	1750	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact Strength (23°C, Injection Molded)	13	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	104	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 245	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 245	°C	

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Recommended distributors for this material

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