

# HIPOLLEN P® FB 4T

Polypropylene Homopolymer

HIPOL A.D.

## Message:

Hipol® P FB 4T is a controlled crystalline homopolymer, intended for thermoforming packaging.

Typical applications of Hipol® P FB 4T are highly transparent cups and containers.

Hipol® P FB 4T has a wide range of approval for contact with food but for specific applications, reference should be made to Hipol chemical industry.

General Information			
Features	Crystallization		
	Homopolymer		
	Workability, good		
	Compliance of Food Exposure		
Uses	Thin wall packaging		
	Cup		
	Household goods		
	Container		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5 - 2.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	9.0	%	ASTM D638
Fracture	500	%	ASTM D638
Flexural Modulus	1750	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	100	°C	ISO 75-2/B
Vicat Softening Temperature	155	°C	ISO 306/A50

#### Additional Information

The value listed as Mold Shrink, Linear-Flow may not have been tested according to ASTM D955.

#### Extrusion

#### Nominal Value

#### Unit

Melt Temperature

220 - 250

°C

#### Extrusion instructions

Extrusion:1st Chill-roll temperature: 40 to 70°C2nd Chill-roll temperature: 50 to 90°C3rd Chill-roll temperature: 40 to 70°CThermoforming:Solid phase forming temperature: 140 to 160°C Melt phase forming temperature: 180 to 230°C

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#### Recommended distributors for this material

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