

Borealis PP HB600TF

Polypropylene Homopolymer

Borealis AG

Message:

HB600TF is a low melt flow rate polypropylene homopolymer intended for extrusion and thermoforming. Its very good organoleptic properties allows this grade to be used with any masterbatch without discoloring problems. HB600TF is recommended for:

- In line and off line thermoforming
- House ware and thin wall packaging
- Margarine tubs
- Mixing with copolymer
- Textile film yarns
- Woven fabrics, ropes and twines

HB600TF is optimised to deliver:

- Very good processability
- Very good melt stability
- Good contact clarity
- Stiffness and impact balance

General Information			
UL YellowCard	E108112-218641		
Features	Rigid, good		
	High melt stability		
	Homopolymer		
	Impact resistance, good		
	Recyclable materials		
	Workability, good		
	Good sensory characteristics		
	Low liquidity		
	Transparent appearance		
Uses	Thin wall packaging		
	Mixing		
	Household goods		
	Food container		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Particle		
Processing Method	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1400	MPa	ISO 527-2/1
Tensile Stress (Yield)	33.5	MPa	ISO 527-2/50
Tensile Strain (Yield)	10	%	ISO 527-2/50
Flexural Modulus ¹	1300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	86.0	°C	ISO 75-2/B
Melting Temperature (DSC)	162 - 166	°C	ISO 3146
Additional Information			
The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.			
NOTE			

1. 5.0 mm/min

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