

Borealis PP HC600TF

Polypropylene Homopolymer

Borealis AG

Message:

HC600TF is a polypropylene homopolymer intended for thermoformed packaging applications.

The product is also suitable for the production of monofilaments, tapes, slit and split film

HC600TF is recommended for:

In line and off line thermoforming

Housewares and thin wall packaging

Margarine tubs and dairy containers

Mixing with copolymer

Carpet backing

Geotextiles

Sacking tapes

Stretch tape

Textile film yarns

Woven fabrics, ropes and twines

HC600TF is optimised to deliver:

Very good contact clarity

Very good stiffness and impact balance

Very good processability

Very good melt stability

General Information			
Features	Rigidity, high		
	High melt stability		
	Homopolymer		
	Impact resistance, high		
	Recyclable materials		
	Workability, good		
	Transparent appearance		
Uses	Thin wall packaging		
	Strap		
	Mixing		
	Household goods		
	Food container		
	Line		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Particle		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.8	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method

Flexural Modulus ¹ (Injection Molded)	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	4.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Vicat Softening Temperature	154	°C	ISO 306/A50
Melting Temperature	164	°C	ISO 11357-3
Peak Crystallization Temperature	110	°C	ISO 11357-3

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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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