POLIMAXX

HI650

High Impact Polystyrene (HIPS)

Description:

HI650 is a high impact grade of polystyrene resin for injection molding with good impact resistance and easy flow. It is recommended for electrical appliances (air conditioning parts, TV), household products, sanitary ware, and toys. It also meets the requirement of food contact regulation

Physical Properties:	Method	Unit	Value
Melt Flow Index (5 kg/200°C)	ASTM D1238	g/10min.	8.0
Izod Notched Impact (1/4", 23°C)	ASTM D256	Kg-cm/cm	11
Tensile Strength at Yield (23°C)	ASTM D638	kg/cm^2	232
Flexural Strength at Yield (23°C)	ASTM D790	kg/cm^2	450
Flexural Modulus (23°C)	ASTM D790	$\times 10^4 kg/cm^2$	2.32
Rockwell Hardness (1/4", 23°C)	ASTM D785	L-Scale	79
Heat Distortion Temperature (1/4", 18.6 kg/cm^2)	ASTM D648	°C	90
Vicat Softening Temperature (1/8", 1 kg)	ASTM D1525	°C	96
Flammability	UL-94	-	HB (1.5)

Processing Technique

Processing Temperature : 180-240 °C

However, the actual processing conditions depend on mold design, power of machine, screw configurations and other environments.

Remark: The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitable of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.

Product Data sheet

Công ty TNHH Thương Mại Dịch Vụ Toàn Đại Hưng
Số 9, Đường số 7, Cư Xá Bình Thới, Phường 8, Quận 11, Tp.HCM
Tel: (028) 39622857 – 39627761 – 39623270
Fax: 84-28 3962 0989
E-mail: toandaihung@hcm.fpt.vn
Website: www.toandaihung.com.vn

REV. 20110601