

HI830



POLYSTYRENE

APPLICATIONS : EXTRUSION APPLICATION

VACUUM SHEET : FOOD PACKAGING

ELECTRICAL APPLIANCES, HOUSEHOLD PRODUCT, TOYS, SANITARY, etc.

PROCESSING TEMPERATURE : (EXTRUSION) 190 - 230°C

DRYING TEMPERATURE : 80 - 85 °C, 2 - 3 hrs.

TYPICAL DATA

PROPERTIES	UNIT	VALUE	TEST METHOD	TEST CONDITION
MELT FLOW INDEX	g/10min	3	D - 1238	200°C, 5kg
IZOD NOTCHED IMPACT STRENGTH	kg-cm/cm	12	D - 256	1/4" at 23°C
TENSILE STRENGTH	kg/cm ²	218	D - 638	at 23 °C
FLEXURAL STRENGTH	kg/cm ²	422	D - 790	at 23 °C
FLEXURAL MODULUS	x10 ⁴ kg/cm ²	2.18	D - 790	at 23 °C
ROCKWELL HARDNESS	L-scale	82	D - 785	1/4" at 23 °C
HEAT DISTORTION TEMPERATURE	°C	90	D - 648	1/4" at 18.6kg/cm ²
			(NON ANNEALING)	
VICAT SOFTENING TEMPERATURE	°C	96	D - 1525	1/8" at 1kg.
FLAMMABILITY	Thickness	HB	UL94	3.0 mm. thickness

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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 SUITABILITY OF OUR PRODUCTS CANNOT BE GUARANTEED BECAUSE THE CONDITIONS OF USE ON THE PART OF OUR USERS ARE BEYOND OUR CONTROL.