



STYROVIT®

116 B

General Purpose Polystyrene

TECHNICAL INFORMATION

DESCRIPTION

STYROVIT® 116 B is a easy flowing general purpose polystyrene which can be successfully used for multicavity injection moulding. It is also recommended for co-extrusion with hi-impact polystyrene.

PROCESSING

STYROVIT® 116 B is designed for injection moulding. The recommended melt temperature range for processing is 200-250 °C.

APPLICATIONS

Production of thin-walled packaging, disposable dishes, cups, sorting boxes, additives, colorants, and masterbatches.

STORAGE AND HANDLING

STYROVIT® products should be kept in cool, dry, well-ventilated warehouses away from combustible materials. Avoid direct exposure to sunlight.

FOOD CONTACT INFORMATION

STYROVIT® polystyrene complies with current legislation regarding food packaging.

RECYCLING

All goods made of **STYROVIT®** polystyrene can be recycled by using modern recycling methods.

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PHYSICAL PROPERTIES

PROPERTIES ^(*)	UNIT	VALUE	STANDARD	
General				
Density	kg/ m ³	1050	ISO 1183	
Bulk density	kg/ m ³	650	ISO 60	
Water absorption	%	<0.1	ISO 62	
Mechanical				
Tensile strength	MPa	40	ISO 527 ASTM D-638	
Flexural modulus	MPa	3670	ISO 527 ASTM D-638	
Izod impact strength	kJ/m ²	2.1	ISO 180/1A ASTM D-256	
Thermal				
Vicat softening temperature	10N-50 °C	°C	90	ISO 306 ASTM D-1525
	50N-50 °C	°C	82	
Melt temperature range	°C	180-250		
Melt flow rate MFR	g /10 min	16	ISO 1133 ASTM D-1238	

(*) Typical properties, not to be construed as specification limits.

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