



STYROVIT®

103 D

General Purpose Polystyrene

TECHNICAL INFORMATION

DESCRIPTION

STYROVIT® 103 D is an extrusion grade general purpose polystyrene without additives. Its unique combination of toughness, reliability, high heat-resistance and good flow properties is designed especially for extrusion. The very high Vicat softening temperature of this grade gives good dimensional stability at high operating temperatures.

PROCESSING

STYROVIT® 103 D can easily be processed by extrusion. Recommended melt temperature for processing is 210-240 °C.

APPLICATIONS

Expanded film for in-line thermoforming, foamed film, profiled surfaces and extruded insulation sheets.

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	51	ISO 527 ASTM D-638
Flexural modulus	MPa	3360	ISO 527 ASTM D-638
Izod impact strength	kJ/m ²	2.2	ISO 180/1A ASTM D-256
Thermal			
Vicat softening temperature	10N-50 °C	°C	104 ISO 306 ASTM D-1525
	50N-50 °C	°C	
Melt temperature range	°C	180-250	
Melt flow rate MFR	g/10 min	2.8-3.2	ISO 1133 ASTM D-1238

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

Edition 08/09