

PRODUCT DATA SHEET

VIDEOLAR 585

CRYSTAL POLYSTYRENE (GPPS)

- High heat extrusion crystal
- Superior oriented polystyrene sheet

FEATURES

- Low melt flow
- High molecular weight

APPLICATIONS

- Foam applications such as egg cartons, meat trays and food service
- Superior oriented polystyrene sheet

Properties	English System		Internacional System		Metric System		Test Method
	Values	Unit	Values	Unit	Values	Unit	
Melt Flow Rate (200 °C / 5 Kg)	1,8	g / 10min	1,8	g / 10min	1,8	g / 10min	ASTM D 1238
IZOD Impact	-	pé-lb/pol	-	J/M	-	-	ASTM D 256
Falling Dart	-	pol.-lb	-	J	-	-	ASTM D 5420
Tensile Strength, Yield	7.600	psi	52	MPa	534	Kgf/ cm ²	ASTM D 638
Elongation	-	%	-	%	-	%	ASTM D 638
Tensile Modulus	470.000	psi	3.240	MPa	33.040	Kgf/ cm ²	ASTM D 638
Flexural Modulus	14.500	psi	100	MPa	1.020	Kgf/ cm ²	ASTM D 790
Flexural Strength	470.000	psi	3.240	MPa	33.040	Kgf/ cm ²	ASTM D 790
VICAT Softening Temperature	219	° F	104	° C	104	° C	ASTM D 1525
Heat Distortion @ 264 psi	208	° F	98	° C	98	° C	ASTM D 648
Density	1,04	g / cm ³	1,04	g / cm ³	1,04	g / cm ³	ASTM D 792
Bulk Density	0,65	g / cm ³	0,65	g / cm ³	0,65	g / cm ³	ISO 060
Mold Contraction	0,3 – 0,6	%	0,3 – 0,6	%	0,3 – 0,6	%	-

OTHER INFORMATIONS

This material complies with the specifications contained ins USA FDA (Food and Drug Administration) regulation 21 CFR 177.1640 for polystyrene and rubber-modified polystyrene.

UL Classification 94 HB.

These typical values are intended to serve as guide only and not as specifications limits.

All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere.

Factory: Av. Abiurana, 1616 - Distrito Industrial - 69075-010 – Manaus - AM - Brazil
Sales: Av. Tamboré, 25 - Alphaville - 06460-000 - Barueri - SP - Brazil

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