

PRODUCT DATA SHEET

VIDEOLAR 825 E

HIGH IMPACT POLYSTYRENE (HIPS)

- Grade designed specially for extrusion and thermoforming
- Characteristics make it especially suitable for industrial packaging deep draw thermoforming and custom multilayer sheet extrusion

FEATURES

- Stress crack resistant
- Good temperature resistance

APPLICATIONS

- Refrigerators and packaging
- Sheet, film and profile extrusion

Properties	English System		Internacional System		Metric System		Test Method
	Values	Unit	Values	Unit	Values	Unit	
Melt Flow Rate (200 °C / 5 Kg)	3,0	g / 10min	3,0	g / 10min	3,0	g / 10min	ASTM D 1238
IZOD Impact	2,0	pé-lb/pol	107	J/M	11	Kgf/ cm ²	ASTM D 256
Falling Dart	125	pol.-lb	14	J	145	cm - Kg	ASTM D 5420
Tensile Strength, Yield	3.300	psi	23	MPa	232	Kgf/ cm ²	ASTM D 638
Elongation	55	%	55	%	55	%	ASTM D 638
Tensile Modulus	280.000	psi	1.930	MPa	19.700	Kgf/ cm ²	ASTM D 638
Flexural Modulus	6.800	psi	47	MPa	478	Kgf/ cm ²	ASTM D 790
Flexural Strength	310.000	psi	2.140	MPa	21.800	Kgf/ cm ²	ASTM D 790
VICAT Softening Temperature	210	° F	99	° C	99	° C	ASTM D 1525
Heat Distortion @ 264 psi	198	° F	92	° C	92	° 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.

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