

**PRODUCT DATA SHEET**

**VIDEOLAR 825**

**HIGH IMPACT POLYSTYRENE (HIPS)**

- Injection molding grade
- Medium melt flow and high gloss
- Good balance between rigidity and impact

**FEATURES**

- Excellent mechanical strength
- Excellent temperature resistance
- High impact

**APPLICATIONS**

- Toys, appliance parts, construction, packaging and structural foam

Properties	English System		Internacional System		Metric System		Test Method
	Values	Unit	Values	Unit	Values	Unit	
Melt Flow Rate (200 °C / 5 Kg)	6,5	g / 10min	6,5	g / 10min	6,5	g / 10min	ASTM D 1238
IZOD Impact	2,0	pé-lb/pol	107	J/M	11	Kgf/ cm <sup>2</sup>	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 <sup>2</sup>	ASTM D 638
Elongation	50	%	50	%	50	%	ASTM D 638
Tensile Modulus	310.000	psi	2.140	MPa	21.800	Kgf/ cm <sup>2</sup>	ASTM D 638
Flexural Modulus	6.400	psi	44	MPa	450	Kgf/ cm <sup>2</sup>	ASTM D 790
Flexural Strength	330.000	psi	2.280	MPa	23.200	Kgf/ cm <sup>2</sup>	ASTM D 790
VICAT Softening Temperature	205	° F	96	° C	96	° C	ASTM D 1525
Heat Distortion @ 264 psi	194	° F	90	° C	90	° C	ASTM D 648
Density	1,04	g / cm <sup>3</sup>	1,04	g / cm <sup>3</sup>	1,04	g / cm <sup>3</sup>	ASTM D 792
Bulk Density	0,65	g / cm <sup>3</sup>	0,65	g / cm <sup>3</sup>	0,65	g / cm <sup>3</sup>	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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