

**PRODUCT DATA SHEET**

**VIDEOLAR 535**

**CRYSTAL POLYSTYRENE (GPPS)**

- Designed for injection molding, extrusion and blow molding
- Very easy flowing grade for general use
- Excellent processability for multiple cavity molds

**FEATURES**

- Excellent strength
- Good temperature resistance

**APPLICATIONS**

- Electronics packaging and office accessories.
- Audio and Video components

Properties	English System		Internacional System		Metric System		Test Method
	Values	Unit	Values	Unit	Values	Unit	
Melt Flow Rate (200 °C / 5 Kg)	5,0	g / 10min	5,0	g / 10min	5,0	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	7.100	psi	49	MPa	499	Kgf/ cm <sup>2</sup>	ASTM D 638
Elongation	-	%	-	%	-	%	ASTM D 638
Tensile Modulus	390.000	psi	2.690	MPa	27.420	Kgf/ cm <sup>2</sup>	ASTM D 638
Flexural Modulus	14.000	psi	97	MPa	984	Kgf/ cm <sup>2</sup>	ASTM D 790
Flexural Strength	460.000	psi	3.170	MPa	32.340	Kgf/ cm <sup>2</sup>	ASTM D 790
VICAT Softening Temperature	223	° F	106	° C	106	° C	ASTM D 1525
Heat Distortion @ 264 psi	208	° F	98	° C	98	° 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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