

PRODUCT DATA SHEET

VIDEOLAR 500

CRYSTAL POLYSTYRENE (GPPS)

- Designed for injection molding
- Very easy flowing grade for fast cycle injection molding
- Excellent processability for filling thin parts

FEATURES

- Good strength
- Good temperature resistance
- Excellent clarity

APPLICATIONS

- Electronics packaging and office accessories
- Coextrusion for laminates and film

Properties	English System		Internacional System		Metric System		Test Method
	Values	Unit	Values	Unit	Values	Unit	
Melt Flow Rate (200 °C / 5 Kg)	16,0	g / 10min	16,0	g / 10min	16,0	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	6.100	psi	42	MPa	429	Kgf/ cm ²	ASTM D 638
Elongation	-	%	-	%	-	%	ASTM D 638
Tensile Modulus	380.000	psi	2.620	MPa	26.700	Kgf/ cm ²	ASTM D 638
Flexural Modulus	11.000	psi	76	MPa	773	Kgf/ cm ²	ASTM D 790
Flexural Strength	460.000	psi	3.170	MPa	32.340	Kgf/ cm ²	ASTM D 790
VICAT Softening Temperature	208	° F	98	° C	98	° C	ASTM D 1525
Heat Distortion @ 264 psi	199	° F	93	° C	93	° 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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