Weerg.

POM-C

POM-C - Lagamid - Polyoxymethylene

A performance polymer that is well suited for mechanical applications due to its good mechanical properties combined with chemical, wear and creep resistance. Its characteristics also make it suitable for applications in the food industry.

Material properties

Density	ISO 1183	1,41	g/cm³
Water absorption at saturation	ISO 62	0,85	%
Hygroscopicity	ISO 62	0,2	%
Tensile strength	ISO 527	65	MPa
Elongation at break	ISO 527	33	%
Yield strength	ISO 527	63	MPa
Elastic modulus	ISO 527	2800	MPa
Flexural strength	ISO EN 178	89	MPa
Resilience	ISO 179	280	kJ/m²
Hardness	ISO 868	81 D	Shore
HDT 0.45 MPa	ISO 75	156	°C
HDT 1.8 MPa	ISO 75	105	°C
Vicat softening temperature	ISO 306	150	°C
Melting temperature	ISO 11357	164	°C
Flammability	UL94	HB	
Thermal conductivity	DIN 52612	0,31	W/mK

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Maximum dimensions 500x500x140 mm (19x19x5.5 in)

Tolerances

ISO 2768-1 medium (m) class

Applications

Resistance, low moisture absorption, chemical resistance and good mechanical dimensional stability over a wide temperature range.

Information contained in this data sheet is up-to-date and correct as at the date of issue. As Weerg cannot control or anticipate the conditions under which this product may be used, each user should review the information in the specific context of the planned use. To the maximum extent permitted by law, Weerg will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given other than those implies mandatory by law.



(20°C)	DIN 52612	0,31	W/mK
Volumic electrical resistivity	IEC 60093	10^12	Ω*m

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