

# Delrin 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/cm <sup>3</sup>
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/m <sup>2</sup>
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

### 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.

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

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