

Technical Data

MB-Seal® Special plastic

Product characteristics		Examples of use	
Outstanding dimensional stability Temperature stability up to + 250° C May be shaped mechanically as well.		Flash free overmoulding of metal inserts with flexible sealing element for injection moulds	
Basic Information	Data	Unit	Test method
Density	1,29	g/cm ³	ISO 1183
Combustion behaviour (Thickness 3 mm / 6 mm)	V0 / V0		UL94
Mechanical properties	Benchmark / Data	Unit	Test method
E-Modul	3950	MPa	DIN EN ISO 527
Shore hardness	90	scale D	DIN EN ISO 868
Thermal properties	Benchmark / Data	Unit	Test method
Melting temperature	335	°C	ISO 11357-3
Thermal conductivity	0,23	W / (m*K)	DIN 52612-1
Thermal capacity	1,31	kJ / (kg * K)	DIN 52612
Linear coefficient of thermal expansion	50	10 ⁻⁶ / K	DIN 53752
Operating temperature long-term max.	- 60 - + 270	°C	Average
Operating temperature short-term max.	300	°C	Average
Heat dimensional stability	155	°C	DIN EN ISO 75, Verf. A, HDT

Legend

k.A = not specified

The data in this brochure is based on our general experience and knowledge at the time of printing and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application.

If required and possible we will be pleased to provide a sample for testing. MB-Seal products are continually improved.

Therefore, MB-Seal® reserves the right to change all the technical data in this brochure at any time without notice.

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