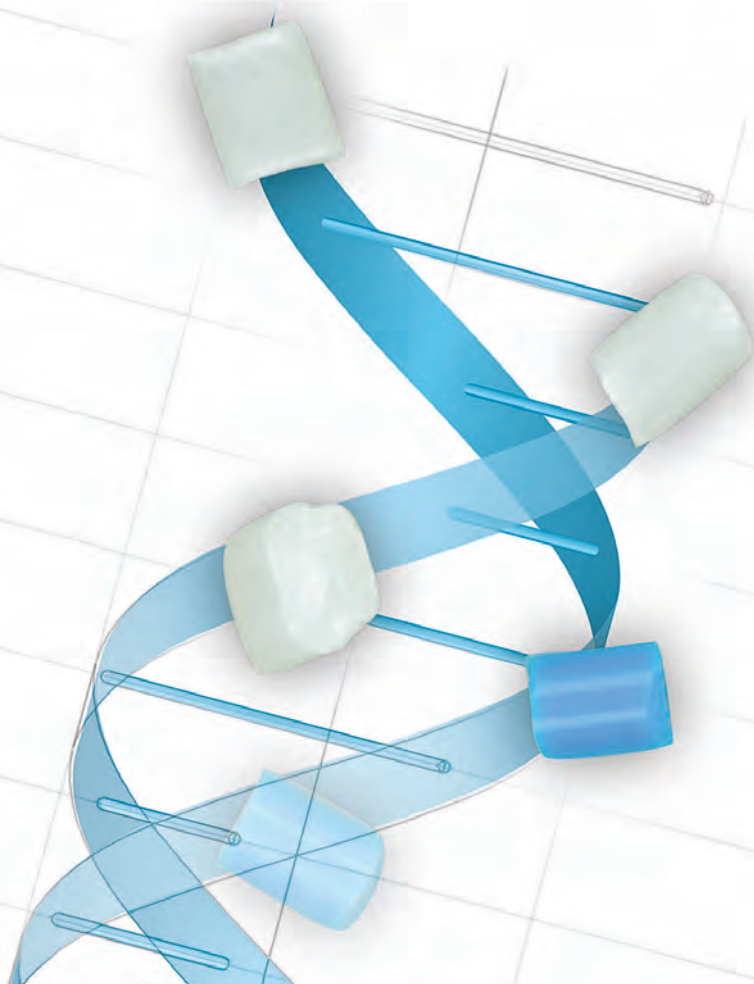


HERAFORM®
acetal
copolymer





HERAFORM® acetal copolymer



Properties

Rheological

	ISO Standard	Test condition	Unit	HERAFORM® R 350	HERAFORM® R 900	HERAFORM® R 1300	HERAFORM® R 3000
MELT FLOW RATE	1133	190°C 2.16 kg	ml/10 min	2.2	8	12	24
TOTAL SHRINKAGE (3mm wall thickness)		1000 bar/90°C	%	2.2	1.8	1.8	1.8

Mechanical

YIELD STRESS	527	23°C	MPa	62	64	65	65
ELONGATION AT BREAK	527	23°C	%	32	30	20	17
TENSILE MODULUS	527	23°C	MPa	2600	2850	2900	2900
FLEXURAL MODULUS	178	23°C	MPa	2500	2700	2800	2800
CHARPY NOTCHED IMPACT STRENGTH	179/1eA	23°C	kJ/m ²	8.5	6.5	6.5	6

Thermal

HEAT DEFLECTION TEMPERATURE	75	1.8 MPa	C°	101	104	106	106
MELTING TEMPERATURE	3146	DSC	C°	165	166	166	163
VICAT SOFTENING TEMPERATURE	306	50 N	C°	151	150	151	151

Physical

FLAMMABILITY	UL 94	1 mm		HB	HB	HB	HB
DENSITY	1183	23°C	g/cm ³	1.41	1.41	1.41	1.41
WATER ABSORPTION	62	23°C	%	0.65	0.65	0.65	0.65

Product

Description

Heraform® R 350 Standard grade for injection moulding of thick wall part, stiff-flowing, extrusion grade for tubes and sheets.

Heraform® R 900 Standard grade for injection moulding of details with high mechanical requirement.

Heraform® R 1300 Easy flowing grade for injection moulding of thin-walled parts with high mechanical properties.

Heraform® R 3000 Very easy flowing grade for injection moulding of thin-walled parts or in case of long flow path.



The above-mentioned technical data is purely indicative and is given without any guarantee. It is not to be considered as a specification. Any modification/additivition of the material after supply can cause variation on the values or the technical characteristics. The values are calculated on injection moulded samples.

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