

# HOSTAFORM® MR130ACS

Media resistant - intermittent exposure to acidic cleaners

Hostaform® acetal copolymer grade MR130ACS is a general purpose acetal with improved acid stabilization. Hostaform® MR130ACS demonstrates improved performance over standard acetals after intermittent exposure to acidic cleaners.

## Rheological properties

Melt volume-flow rate	12 cm <sup>3</sup> /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	

## Typical mechanical properties

Tensile Modulus	2900 MPa	ISO 527-1/-2
Yield stress, 50mm/min	62 MPa	ISO 527-1/-2
Yield strain, 50mm/min	11 %	ISO 527-1/-2
Nominal strain at break	30 %	ISO 527-1/-2
Charpy impact strength, 23°C	150 kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	140 kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	8 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	6 kJ/m <sup>2</sup>	ISO 179/1eA
Ball indentation hardness, H 358/30	137 MPa	ISO 2039-1

## Thermal properties

Melting temperature, 10°C/min	170 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	100 °C	ISO 75-1/-2
Vicat softening temperature, 50°C/h, 50N	154 °C	ISO 306
Coeff. of linear therm. expansion, parallel	94 E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	100 E-6/K	ISO 11359-1/-2

## Other properties

Humidity absorption, 2mm	0.3 %	Sim. to ISO 62
Water absorption, 2mm	1.7 %	Sim. to ISO 62
Density	1410 kg/m <sup>3</sup>	ISO 1183

## Injection

Drying Temperature	100 - 120 °C
Drying Time, Dehumidified Dryer	3 - 4 h
Processing Moisture Content	0.15 %
Max. mould temperature	80 - 120 °C
Back pressure	4 MPa
Injection speed	slow-medium

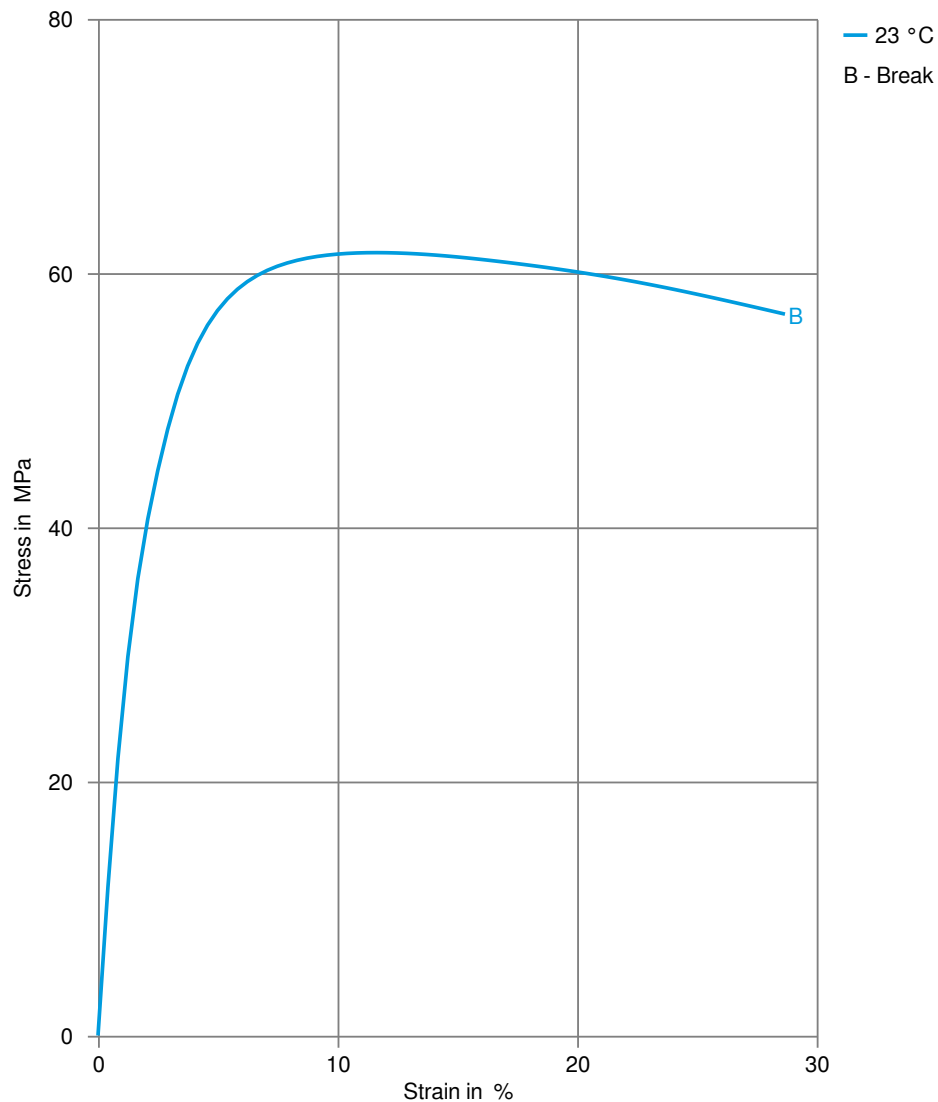
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## Characteristics

Additives

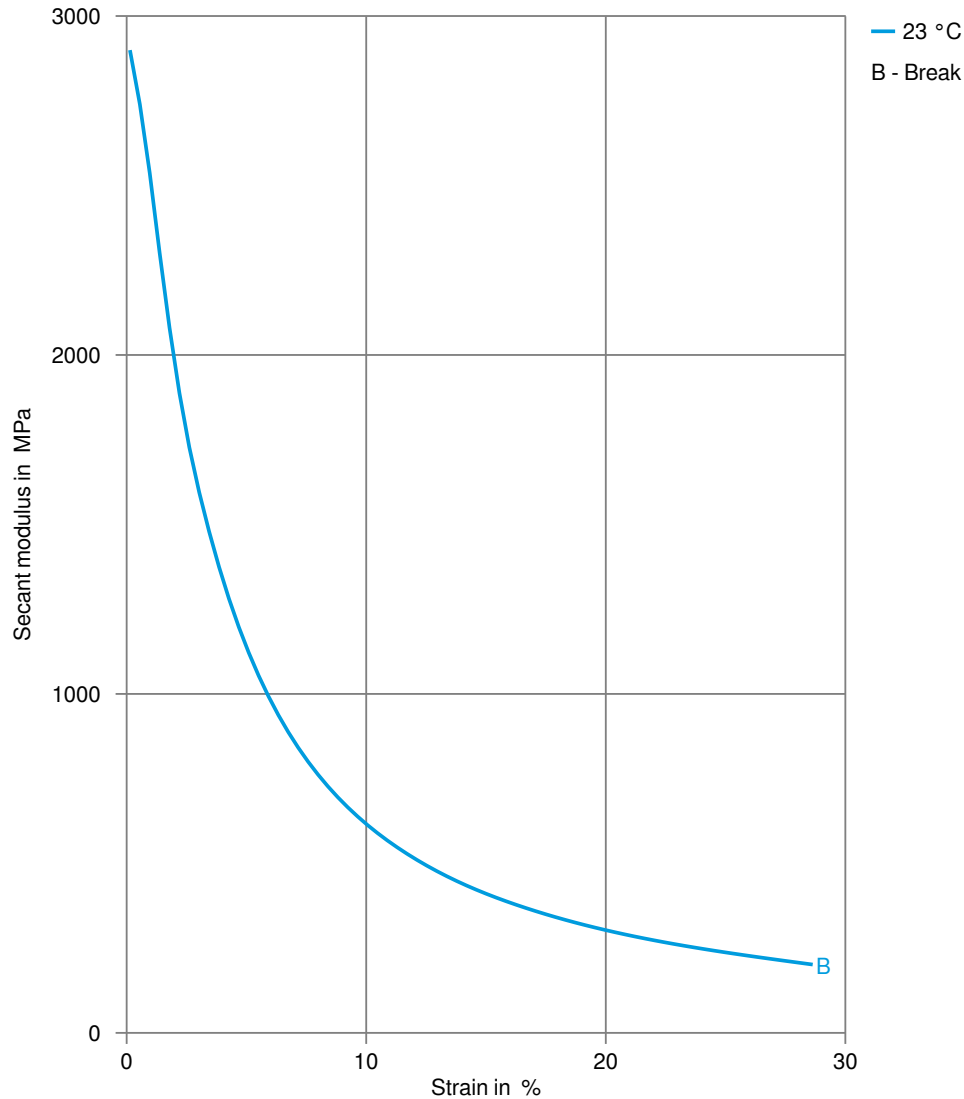
Release agent

## Stress-strain



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## Secant modulus-strain



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## Processing Texts

Pre-drying	Pre-drying is recommended.
Longer pre-drying times/storage	Standard drying conditions are 82 deg C (180 deg F) for 3 hours.

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