

HOSTAFORM® RF 2162

Hostaform® POM RF 2162 is an impact modified acetal copolymer that has been specially designed for Rotomolding. The material is UV stabilized and is available in precolored black or natural. Hostaform® POM RF 2162 has low fuel permeation and meets CARB and EPA regulations as a single layer solution.

Rheological properties

Melt mass-flow rate	3.1 g/10min	ISO 1133
Melt mass-flow rate, Temperature	190 °C	
Melt mass-flow rate, Load	2.16 kg	
Moulding shrinkage, parallel	1.5 - 2.0 %	ISO 294-4, 2577
Moulding shrinkage, normal	1.5 - 2.0 %	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	1400 MPa	ISO 527-1/-2
Yield stress, 50mm/min	42 MPa	ISO 527-1/-2
Yield strain, 50mm/min	20 %	ISO 527-1/-2
Stress at break, 5mm/min	32 MPa	ISO 527-1/-2
Strain at break, 5mm/min	>50 %	ISO 527-1/-2
Flexural Modulus	1350 MPa	ISO 178
Charpy impact strength, 23°C	NB kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	14.8 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	8 kJ/m ²	ISO 179/1eA

Thermal properties

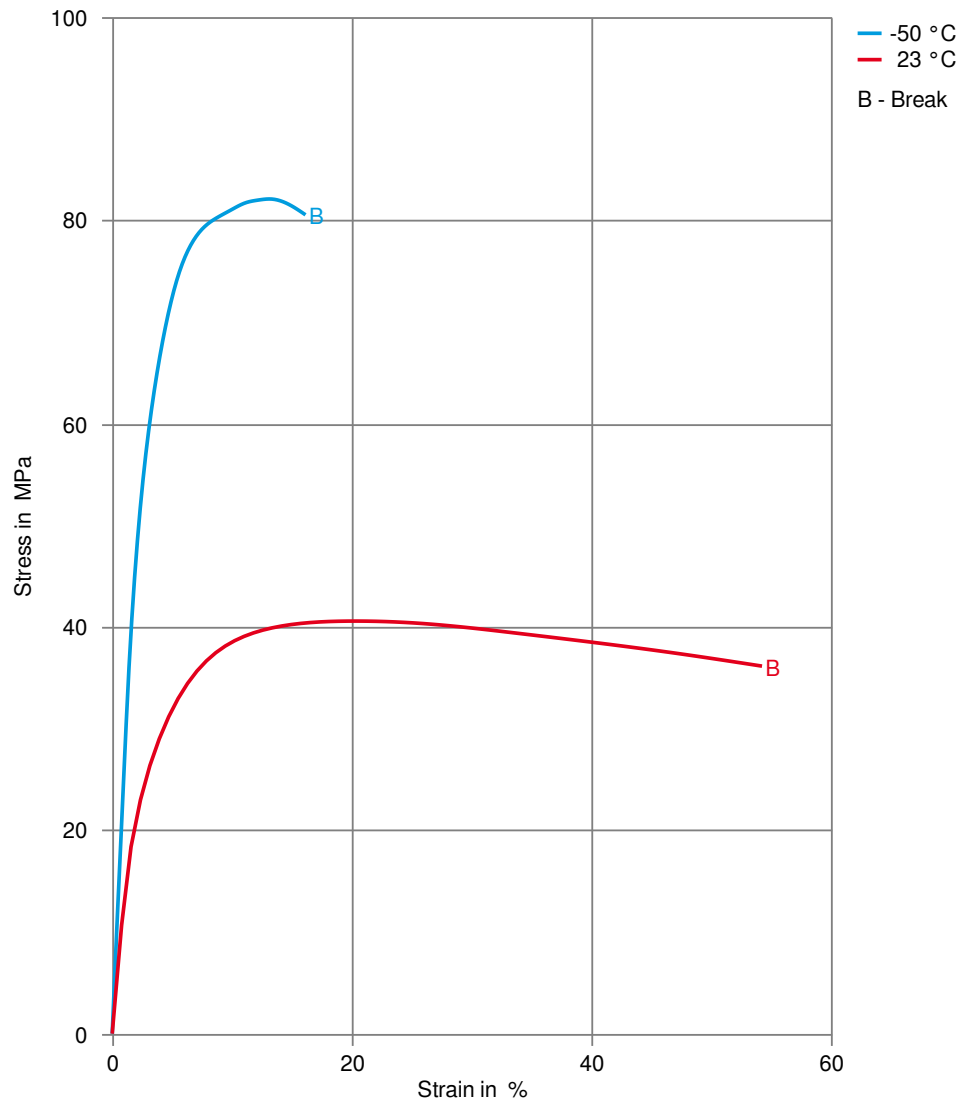
Melting temperature, 10°C/min	165 °C	ISO 11357-1/-3
Vicat softening temperature, 50°C/h, 50N	122 °C	ISO 306

Other properties

Density	1360 kg/m ³	ISO 1183
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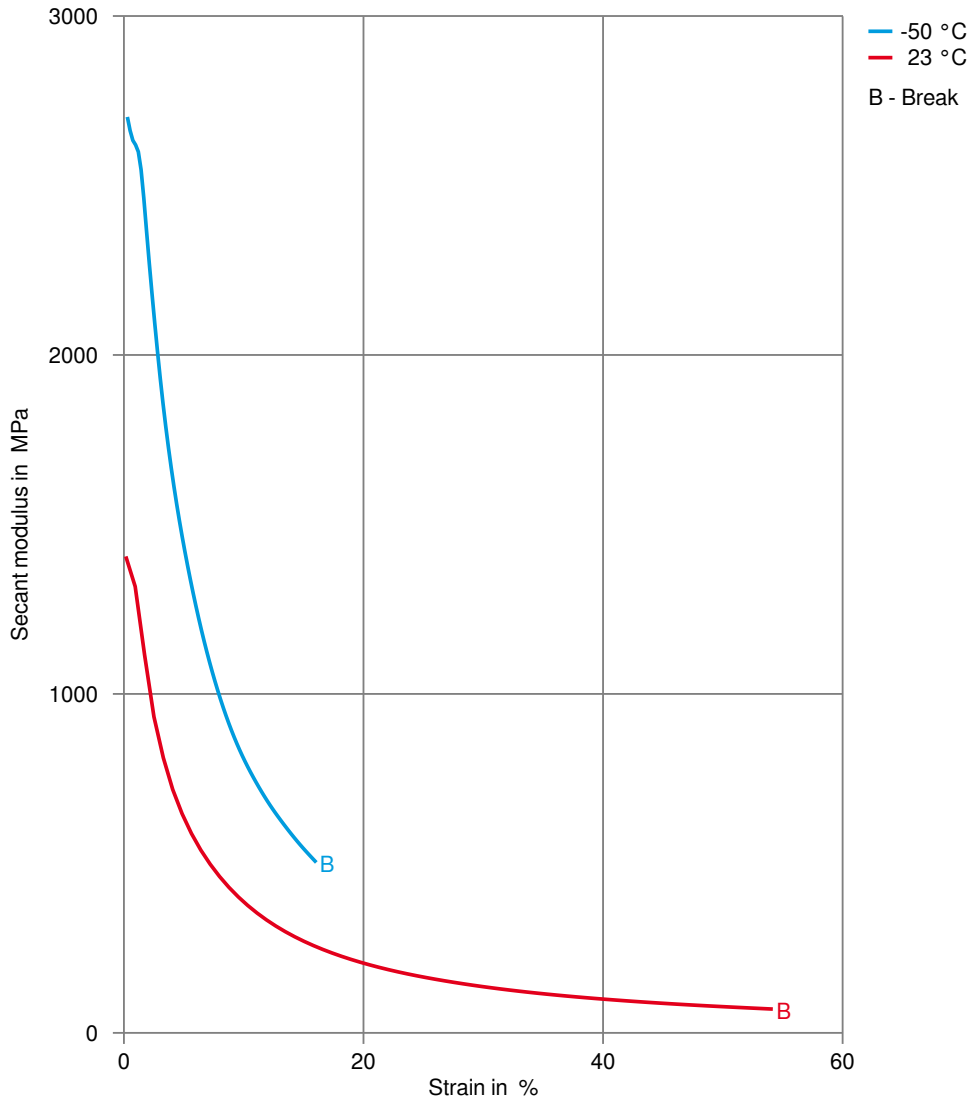
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Stress-strain



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Secant modulus-strain



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