

HOSTAFORM® RF2464

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Hostaform® POM RF2464 is an impact modified acetal copolymer that has been specially designed for Rotomolding. The material is UV stabilized and is available in natural or can be supplied in a pre-colored black. Hostaform® POM RF2464 has excellent toughness balanced with low fuel permeation and meets EPA and CARB regulations as a single layer solution in fuel tanks.

Product information

Resin Identification	POM	ISO 1043
Part Marking Code	>POM<	ISO 11469

Rheological properties

Melt mass-flow rate	2.8 g/10min	ISO 1133
Melt mass-flow rate, Temperature	190 °C	
Melt mass-flow rate, Load	2.16 kg	
Moulding shrinkage range, parallel	1.5 - 3 %	ISO 294-4, 2577
Moulding shrinkage range, normal	1.5 - 3 %	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	1420 MPa	ISO 527-1/-2
Tensile modulus	1400 MPa	ASTM D 638
Tensile stress at yield, 50mm/min	40 MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	40 %	ISO 527-1/-2
Tensile stress at break, 50mm/min	31 MPa	ISO 527-1/-2
Tensile Strength	40 MPa	ASTM D 638
Tensile strain at break, 50mm/min	>50 %	ISO 527-1/-2
Elongation at break	56.7 %	ASTM D 638
Flexural modulus	1360 MPa	ISO 178
Flexural modulus	1370 MPa	ASTM D 790
Shear Strength	40 MPa	ASTM D 732
Charpy impact strength, 23 °C	N kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23 °C	15.5 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -40 °C	8.5 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.43 ^[C]	
Multiaxial impact, total energy, 23 °C	35 J	ASTM D 3763
Multiaxial impact, maximum load, 23 °C	4000 N	ASTM D 3763
Mean Failure Energy, 23 °C	23 J	ARM Impact Test
Mean Failure Energy, -20 °C	13.5 J	ARM Impact Test
Mean Failure Energy, -40 °C	9 J	ARM Impact Test

[C]: Calculated

Thermal properties

Melting temperature, 10 °C/min	165 °C	ISO 11357-1/-3
Temperature of deflection under load, 0.45MPa	125 °C	ASTM D 648
Temperature of deflection under load, 1.8MPa	67 °C	ASTM D 648

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Physical/Other properties

Density

1330 kg/m³

ISO 1183

Characteristics

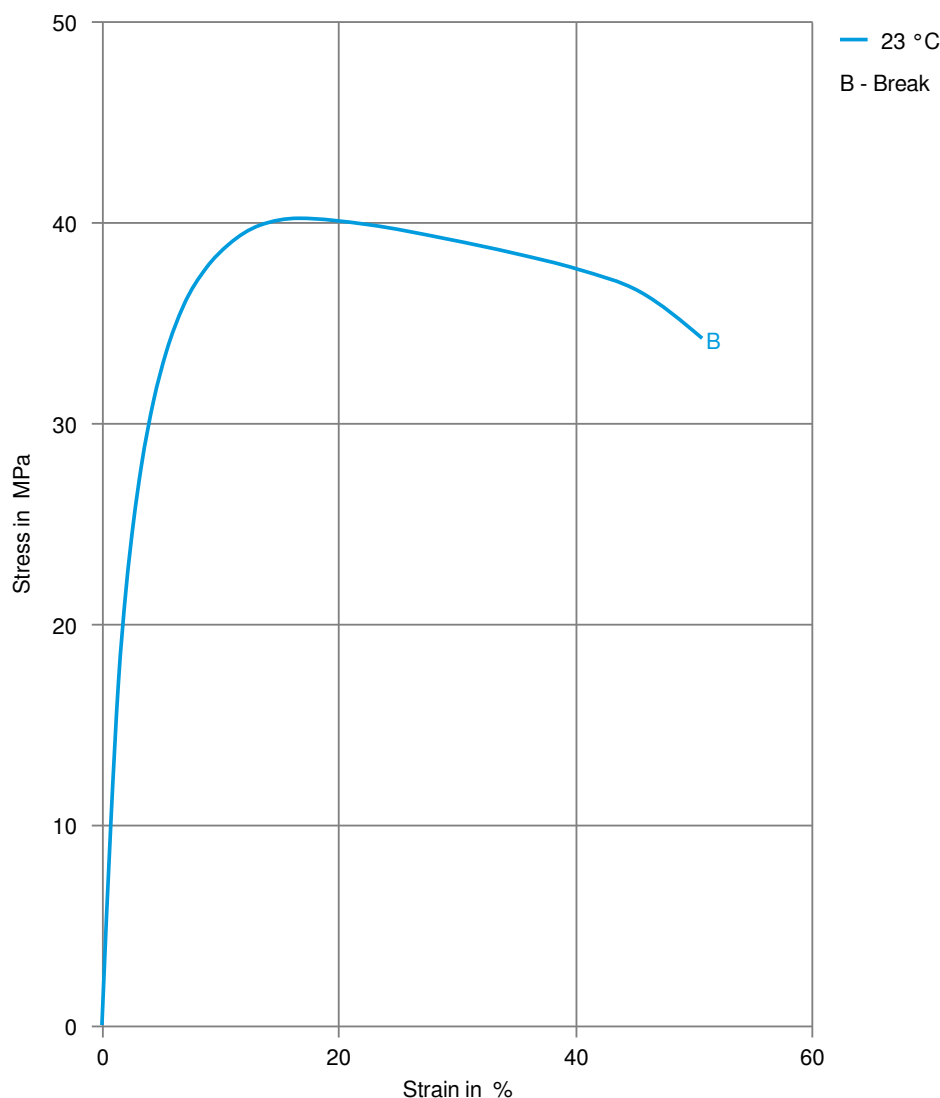
Processing

Rotational Moulding

Special characteristics

High impact or impact modified, Light stabilised or stable to light

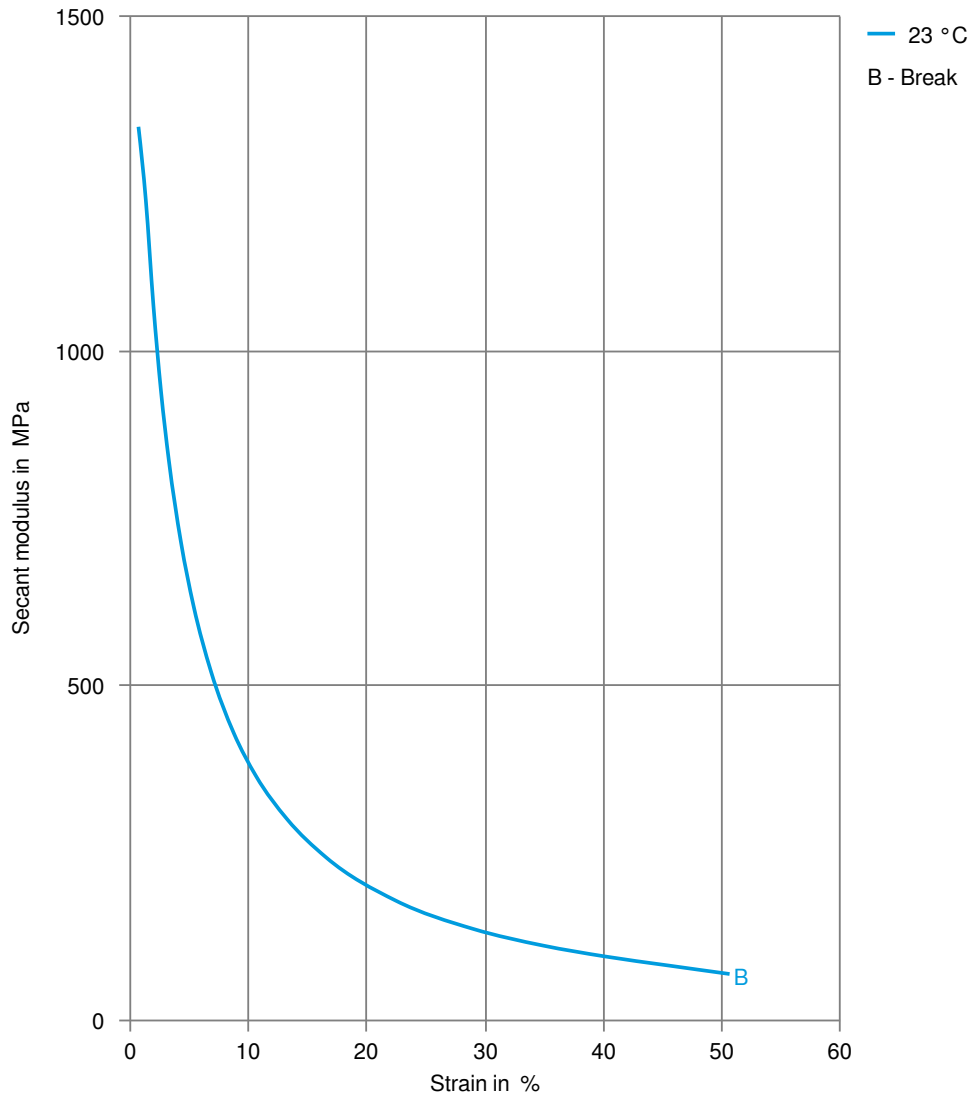
Stress-strain



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Secant modulus-strain



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