Celanese
The chemistry inside innovation™

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 wtih 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/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	15.5	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -40°C	8.5	kJ/m²	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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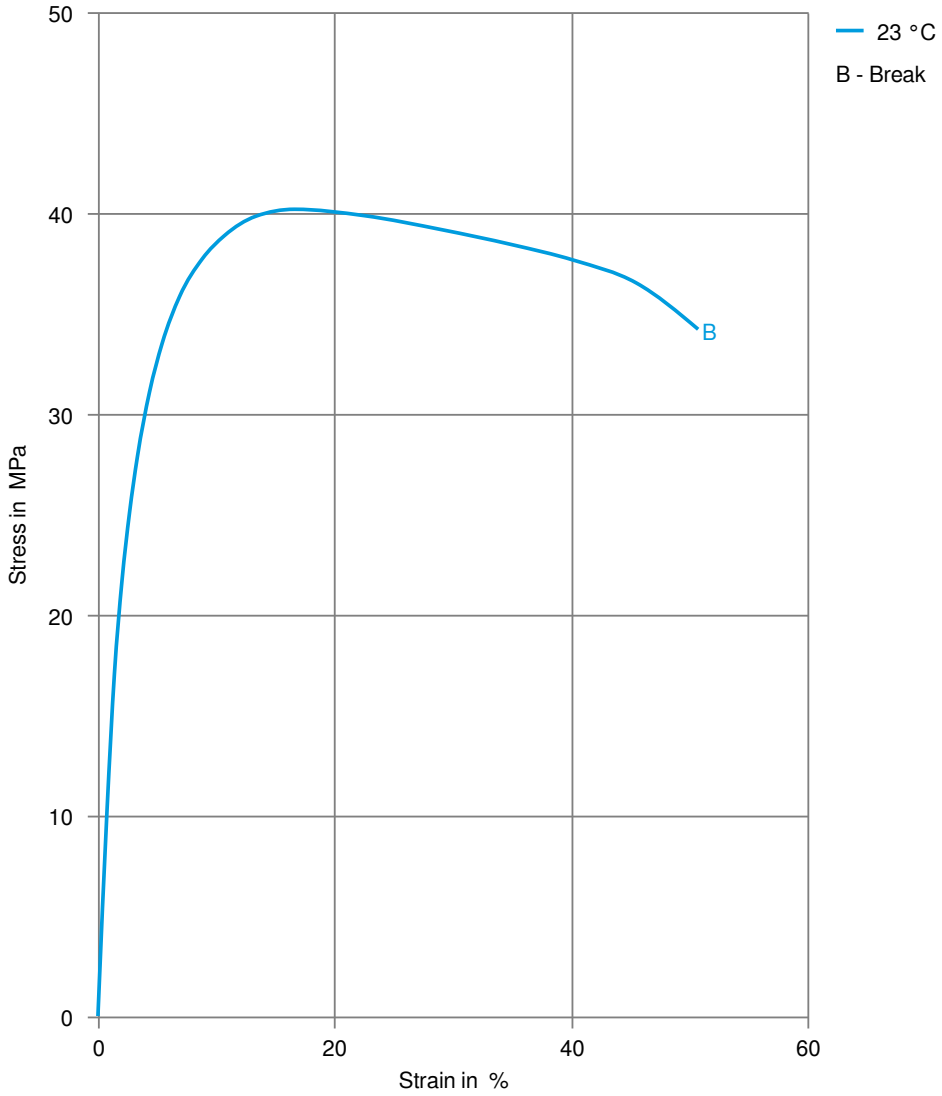
Physical/Other properties

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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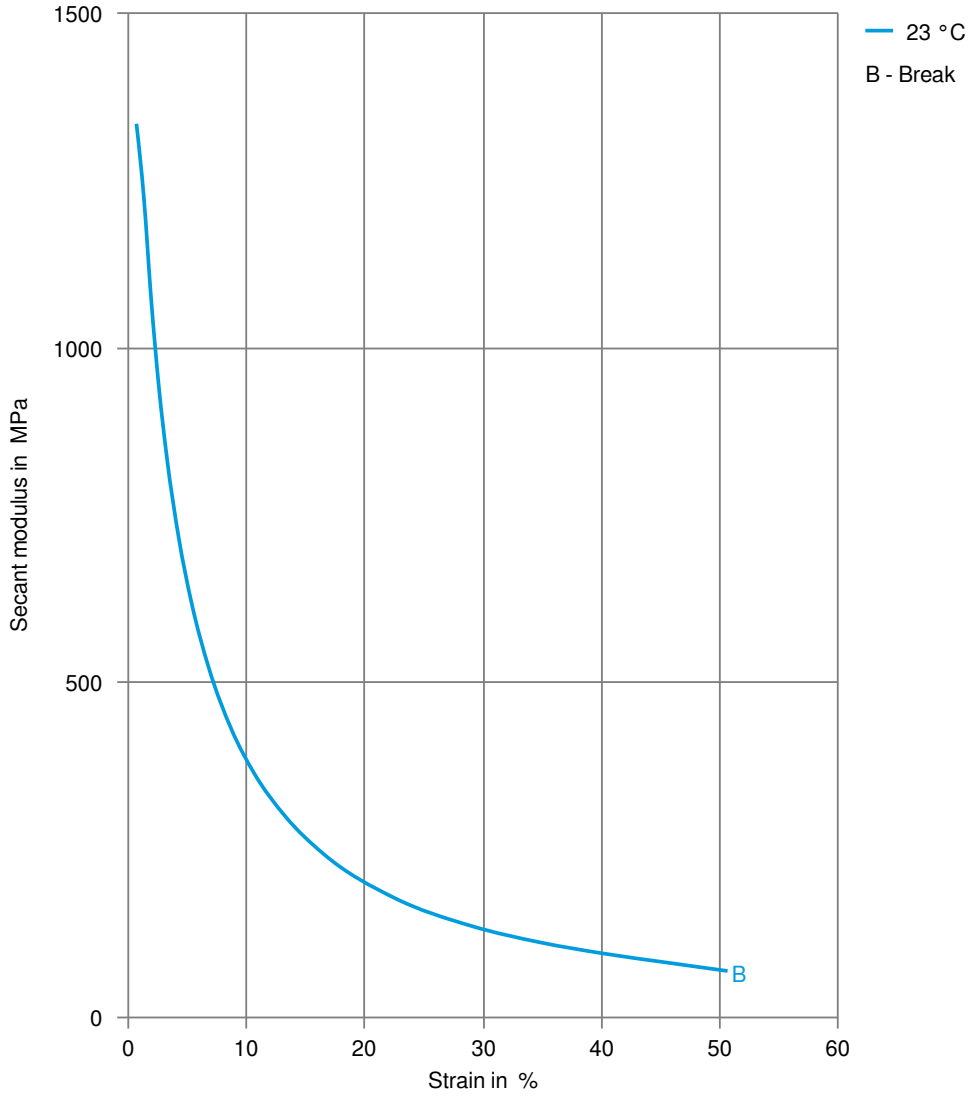
Secant modulus-strain



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