

#### Highly Impact Modified

Hostaform® acetal copolymer grade XT 20 is a highly impact modified grade for demanding applications. Hostaform® XT 20 provides exceptional impact strength and flexibility over standard impact modified acetal copolymer grades. Chemical abbreviation according to ISO 1043-1: POM-HI

#### **Rheological properties**

Melt volume-flow rate1Temperature190Load2.16	
Moulding shrinkage, parallel 1.4	,,
Moulding shrinkage, normal 1.2	% ISO 294-4, 2577
Typical mechanical properties	
Tensile Modulus 1200	MPa ISO 527-1/-2
Yield stress, 50mm/min 35	MPa ISO 527-1/-2
Yield strain, 50mm/min 25	% ISO 527-1/-2
Flexural Modulus 1100	MPa ISO 178
	MPa ISO 178
	MPa ISO 6721
Charpy impact strength, 23°C NB	kJ/m <sup>2</sup> ISO 179/1eU
	kJ/m <sup>2</sup> ISO 179/1eU
	kJ/m <sup>2</sup> ISO 179/1eA
	kJ/m <sup>2</sup> ISO 179/1eA
1 0 7	kJ/m <sup>2</sup> ISO 180/1A
Izod notched impact strength, -40 °C 14	kJ/m <sup>2</sup> ISO 180/1A
Poisson's ratio 0.498	
Thermal properties	
Melting temperature, 10°C/min 166	°C ISO 11357-1/-3
0 1 /	°C ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa 124	
•	E-6/K ISO 11359-1/-2
• •	E-6/K ISO 11359-1/-2
Other properties	
Humidity absorption, 2mm 0.25	% Sim. to ISO 62
Water absorption, 2mm 0.8	
	kg/m <sup>3</sup> ISO 1183



### Injection

Drying Temperature	100 - 120 °C
Drying Time, Dehumidified Dryer	3-4 h
Melt Temperature Optimum	200 °C
Max. mould temperature	60 - 80 °C
Back pressure	2 MPa
Injection speed	slow

Internal

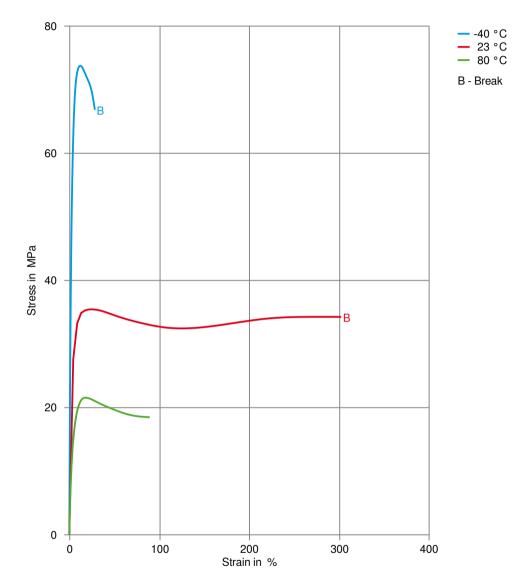
#### **Characteristics**

Additives

Release agent

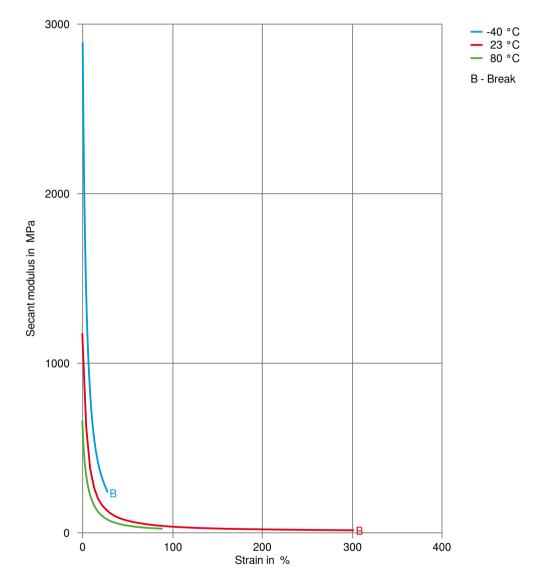


#### Stress-strain



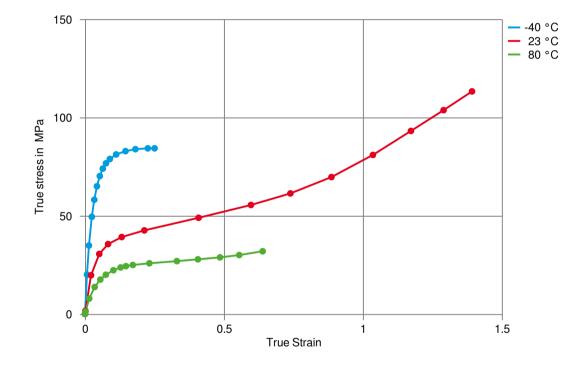


#### Secant modulus-strain





True stress-strain





#### **Processing Texts**

Pre-drying

Drying is suggested specially if material has come in contact with moisture through storage, handling or regrind use. Dry to prevent splay and odor problems.

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