

HOSTAFORM[®] S 9362 XAP[®]2 ECO-B

Impact modified, improved modulus and weld line, low emission

Hostaform® acetal copolymer grade S 9362 XAP®2 is an impact modified grade for applications requiring improved impact. Hostaform® S 9362 XAP®2 provides good impact strength while improving modulus and weld line strength over standard impact modified grades such as Hostaform® S 9063, and also exhibits exceptional low emission performance meeting or exceeding the requirements of many automotive markets. Chemical abbreviation according to ISO 1043-1: POM-HI. ECO-B: Hostaform ECO-B is a POM-Copolymer with the same properties and performance as standard grades but produced with sustainability in mind. Using a mass-balance approach, biogenic feedstocks are used to offset the use of fossil-based raw materials and decrease greenhouse gas emissions. The process is audited and certified according to the ISCC Plus mass balance approach.

Rheological properties

Melt volume-flow rate	6.5	cm ³ /10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Moulding shrinkage, parallel	1.9	%	ISO 294-4, 2577
Moulding shrinkage, normal	1.8	%	ISO 294-4, 2577
Typical mechanical properties			
Tensile Modulus	2300	MPa	ISO 527-1/-2
Yield stress, 50mm/min	55	MPa	ISO 527-1/-2
Yield strain, 50mm/min	10	%	ISO 527-1/-2
Flexural Modulus	2200	MPa	ISO 178
Charpy impact strength, 23°C	NB	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	190	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	10	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C		kJ/m²	ISO 179/1eA
Izod notched impact strength, 23°C		kJ/m²	ISO 180/1A
Izod notched impact strength, -40°C	6	kJ/m²	ISO 180/1A
Hardness, Rockwell, M-scale	75		ISO 2039-2
Thermal properties			
Melting temperature, 10°C/min	166	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	87	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	151	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	110	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	110	E-6/K	ISO 11359-1/-2
Other properties			
Humidity absorption, 2mm	0.25	%	Sim. to ISO 62
Water absorption, 2mm	0.8		Sim. to ISO 62
Density	1390	kg/m³	ISO 1183
-		-	



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Injection

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

Characteristics

Additives

Release agent, Biobased

Processing Texts

Pre-drying

Drying is suggested to help achieve low emission performance and to counter if material has contacted moisture through improper storage and handling.

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Page: 2 of 2

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