

HOSTAFORM® UV90Z XAP2™ - POM

Description

Preliminary Data Sheet Hostaform® acetal copolymer grade UV90Z XAP2™ is a UV stabilized material available in a range of colors generally for automotive interior applications. In addition, Hostaform® UV90Z XAP2™ has lower emissions as required for some automotive interiors. Low Emission Performance [VDA-275] <5 PPM

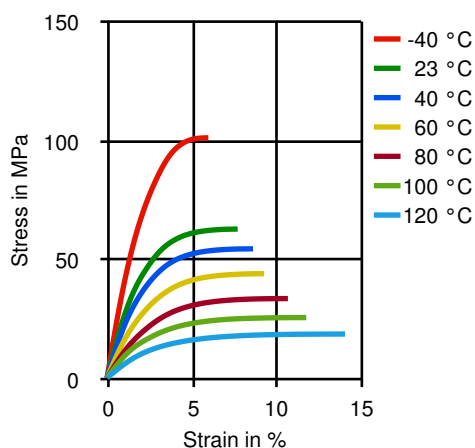
Physical properties	Value	Unit	Test Standard
Density	1400	kg/m ³	ISO 1183
Melt volume rate, MVR	8	cm ³ /10min	ISO 1133
MVR temperature	190	°C	ISO 1133
MVR load	2,16	kg	ISO 1133
Molding shrinkage, parallel	2,0	%	ISO 294-4, 2577
Molding shrinkage, normal	1,7	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	2650	MPa	ISO 527-2/1A
Tensile stress at yield, 50mm/min	64	MPa	ISO 527-2/1A
Tensile strain at yield, 50mm/min	9	%	ISO 527-2/1A
Charpy notched impact strength, 23°C	5	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	4	kJ/m ²	ISO 179/1eA

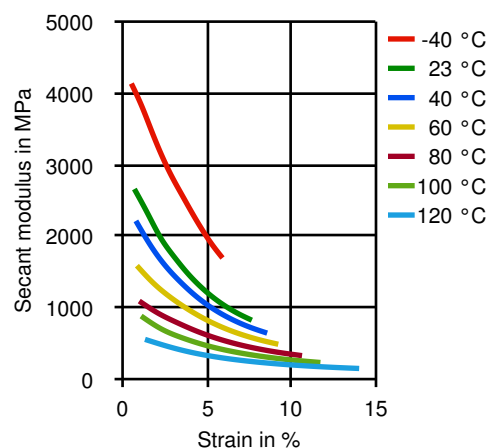
Thermal properties	Value	Unit	Test Standard
Melting temperature, 10°C/min	167	°C	ISO 11357-1/-3
DTUL at 1.8 MPa	90	°C	ISO 75-1, -2
Coeff. of linear therm expansion, parallel	0,9	E-4/°C	ISO 11359-2
Coeff. of linear therm expansion, normal	1,1	E-4/°C	ISO 11359-2

Diagrams

Stress-strain



Secant modulus-strain



Typical injection moulding processing conditions

Pre Drying	Value	Unit	Test Standard
Drying time	3 - 4	h	-
Drying temperature	100 - 120	°C	-
Temperature	Value	Unit	Test Standard
Zone1 temperature	165 - 175	°C	-
Zone2 temperature	170 - 180	°C	-
Zone3 temperature	170 - 180	°C	-
Zone4 temperature	175 - 185	°C	-
Nozzle temperature	180 - 190	°C	-
Melt temperature	180 - 190	°C	-
Mold temperature	80 - 120	°C	-

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Hot runner temperature	180 - 200	°C	-
Pressure	Value	Unit	Test Standard
Back pressure max.	40	bar	-
Speed	Value	Unit	Test Standard
Injection speed	slow-medium	-	-

Other text information

Pre-drying

Drying is recommended to obtain optimum emission performance. If material contacts moisture through improper storage or handling, drying may be necessary to prevent splay and odor issues.

Characteristics

Special Characteristics

UV resistant

Delivery Form

Pellets

Processing

Injection molding

Contact Information

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General Disclaimer

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