



## HOSTAFORM® S 9364UV

### **HOSTAFORM®**

Hostaform® acetal copolymer grade S 9364UV is a highly impact modified grade for demanding applications. Hostaform® S 9364UV provides a significant improvement in impact strength and flexibility over prior generation impact modified grades such as Hostaform® S 9063 and S 9064. Hostaform® S 9364UV offers some UV stability but is not designed for the typical UV resistance requirements of interior and exterior automotive applications.

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Resin Identification Part Marking Code >F	POM-I POM-I<	ISO 1043 ISO 11469
Rheological properties		
Melt volume-flow rate Temperature Load	4.5 cm <sup>3</sup> /10min 190 °C 2.16 kg	ISO 1133
Typical mechanical properties		
Tensile modulus Tensile stress at yield, 50mm/min Tensile strain at yield, 50mm/min Charpy notched impact strength, 23°C Charpy notched impact strength, -30°C Poisson's ratio [C]: Calculated	1650 MPa 43 MPa 14 % 17 kJ/m <sup>2</sup> 8 kJ/m <sup>2</sup> 0.42 <sup>[C]</sup>	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 179/1eA ISO 179/1eA
Thermal properties		
Melting temperature, 10 ° C/min Temperature of deflection under load, 1.8 MPa Coefficient of linear thermal expansion (CLTE), parallel	165 °C 75 °C 120 E-6/K	ISO 11357-1/-3 ISO 75-1/-2 ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	110 E-6/K	ISO 11359-1/-2
Physical/Other properties		
Humidity absorption, 2mm Water absorption, 2mm Density	0.25 % 0.8 % 1370 kg/m³	Sim. to ISO 62 Sim. to ISO 62 ISO 1183
Injection		
Drying Recommended Drying Temperature Drying Time, Dehumidified Dryer Processing Moisture Content Melt Temperature Optimum Min. melt temperature Max. melt temperature Screw tangential speed Mold Temperature Optimum Min. mould temperature Max. mould temperature	no 100 °C 3 - 4 h ≤0.2 % 190 °C 180 °C 200 °C ≤0.3 m/s 65 °C 60 °C 70 °C	

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Revised: 2024-11-27 Source: Celanese Materials Database





# HOSTAFORM® S 9364UV

#### **HOSTAFORM®**

Hold pressure range 60 - 120 MPa Back pressure 2 MPa

#### Characteristics

Processing Injection Moulding, Extrusion

Delivery form Pellets

Additives Release agent

Special characteristics High impact or impact modified, U.V. stabilised or stable to weather

Additional information

Processing Notes Pre-Drying

Drying is not normally required. If material has come in contact with moisture through improper storage or handling or through regrind use, drying to prevent splay and odor problems.

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