

# HOSTAFORM® S 9364UV

Impact modified, UV resistant grade

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 is not designed for the typical UV resistance requirements of interior and exterior automotive applications.

## Rheological properties

|                       |                            |          |
|-----------------------|----------------------------|----------|
| Melt volume-flow rate | 4.5 cm <sup>3</sup> /10min | ISO 1133 |
| Temperature           | 190 °C                     |          |
| Load                  | 2.16 kg                    |          |

## Typical mechanical properties

|                                       |                      |              |
|---------------------------------------|----------------------|--------------|
| Tensile Modulus                       | 1650 MPa             | ISO 527-1/-2 |
| Yield stress, 50mm/min                | 43 MPa               | ISO 527-1/-2 |
| Yield strain, 50mm/min                | 14 %                 | ISO 527-1/-2 |
| Charpy notched impact strength, 23°C  | 17 kJ/m <sup>2</sup> | ISO 179/1eA  |
| Charpy notched impact strength, -30°C | 8 kJ/m <sup>2</sup>  | ISO 179/1eA  |

## Thermal properties

|                                             |           |                |
|---------------------------------------------|-----------|----------------|
| Melting temperature, 10°C/min               | 166 °C    | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.8 MPa     | 75 °C     | ISO 75-1/-2    |
| Coeff. of linear therm. expansion, parallel | 120 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                  | 1370 kg/m <sup>3</sup> | ISO 1183       |

## Injection

|                                 |              |
|---------------------------------|--------------|
| Drying Temperature              | 100 - 120 °C |
| Drying Time, Dehumidified Dryer | 3 - 4 h      |
| Max. mould temperature          | 60 - 70 °C   |
| Back pressure                   | 2 MPa        |
| Injection speed                 | slow         |

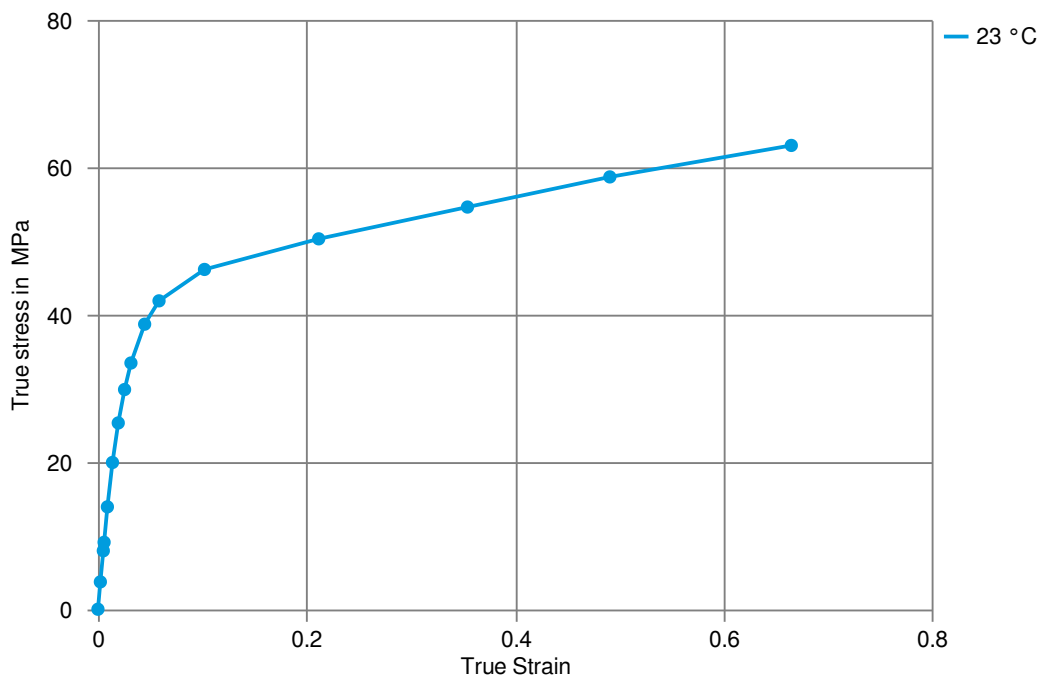
## Characteristics

|           |               |
|-----------|---------------|
| Additives | Release agent |
|-----------|---------------|



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## True stress-strain



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## Processing Texts

### 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.

