

UV resistance, high flow, low emission

Hostaform® acetal copolymer grade UV270Z XAP®2 is a UV stabilized material available in a range of colors generally for automotive interior applications. In addition, Hostaform® UV270 XAP®2 has lower emissions as required for some automotive interiors. Low Emission Performance [VDA-275] <5 PPM

#### Rheological properties

| Melt volume-flow rate        | 24 cm <sup>3</sup> /10min | ISO 1133        |
|------------------------------|---------------------------|-----------------|
| Temperature                  | 190 °C                    |                 |
| Load                         | 2.16 kg                   |                 |
| Moulding shrinkage, parallel | 2.1 %                     | ISO 294-4, 2577 |
| Moulding shrinkage, normal   | 2.0 %                     | ISO 294-4, 2577 |
|                              |                           |                 |

### Typical mechanical properties

| Tensile Modulus                       | 2650 | MPa   | ISO 527-1/-2 |
|---------------------------------------|------|-------|--------------|
| Yield stress, 50mm/min                | 65   | MPa   | ISO 527-1/-2 |
| Yield strain, 50mm/min                | 8    | %     | ISO 527-1/-2 |
| Flexural Modulus                      | 2600 | MPa   | ISO 178      |
| Charpy impact strength, 23°C          | 120  | kJ/m² | ISO 179/1eU  |
| Charpy notched impact strength, 23°C  | 5    | kJ/m² | ISO 179/1eA  |
| Charpy notched impact strength, -30°C | 4.5  | kJ/m² | ISO 179/1eA  |
| Izod notched impact strength, 23°C    | 5.4  | kJ/m² | ISO 180/1A   |

## Thermal properties

| Melting temperature, 10°C/min               | 167 | °C    | ISO 11357-1/-3 |
|---|-----|-------|----------------|
| Temp. of deflection under load, 1.8 MPa     | 95  | °C    | ISO 75-1/-2    |
| Temp. of deflection under load, 0.45 MPa    | 155 | °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   | 120 | E-6/K | ISO 11359-1/-2 |

### Other properties

| Density | 1400 kg/r | n <sup>3</sup> ISO 1183 |
|---------|-----------|-------------------------|
|         |           |                         |

#### Injection

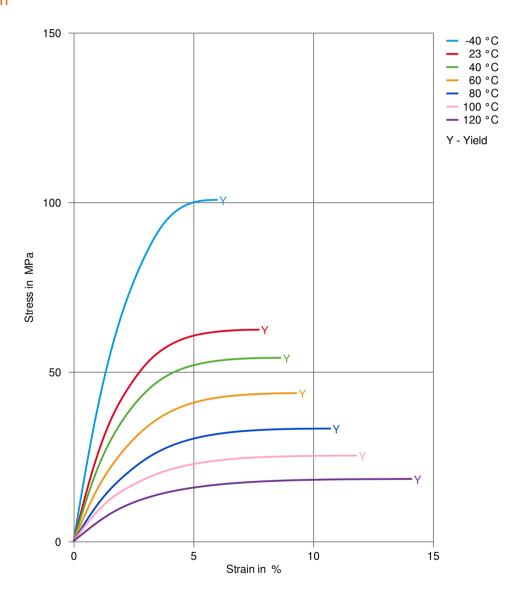
| Drying Temperature              | 100 - 120 °( | C   |
|---------------------------------|--------------|-----|
| Drying Time, Dehumidified Dryer | 3-4 h        |     |
| Max. mould temperature          | 80 - 120 °C  | С   |
| Back pressure                   | 4 M          | ΙPa |
| Injection speed                 | slow-medium  |     |

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#### Stress-strain

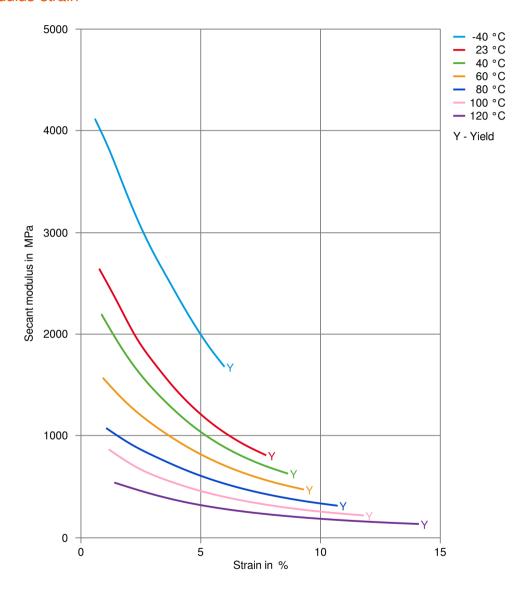


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#### Secant modulus-strain



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#### **Processing Texts**

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.

#### Other Approvals

Other Approvals

| OEM                   | Specification    | Additional Information |
|-----------------------|------------------|------------------------|
| Stellantis - Chrysler | CPN 3905         | 100% color match       |
| GM                    | GMW16924P-POM-C4 |                        |
| Great Wall Motor      | MP05-01          | Colors                 |
| VW Group              | TL 524 76        | Colors                 |

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