

# CAMPUS® Datasheet

Desmopan® 9380A - TPU  
Covestro Deutschland AG



## Product Texts

- Extrusion- and injection molding grade
- very good hydrolysis and microbial resistance
- good low-temperature flexibility
- complies with VDE 0282-10

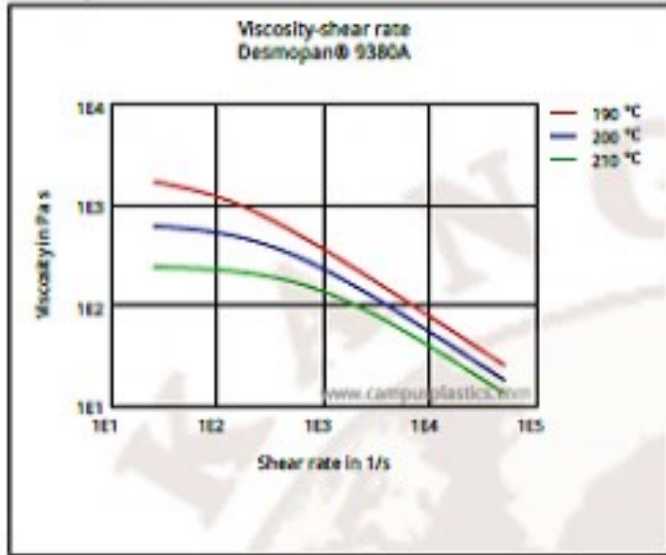
## Application

- Cable sheathings
- Hoses
- non-reinforced

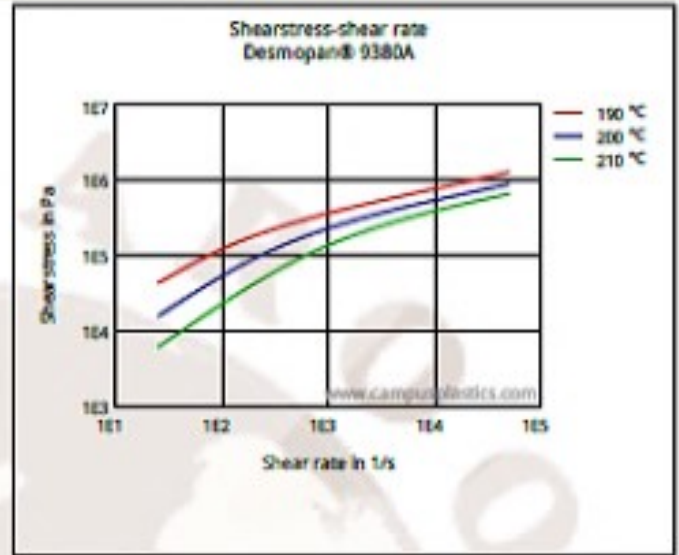
Mechanical properties	Value	Unit	Test Standard
Compression set at 70 °C, 24h	42	%	ISO 815
Tear strength	70	kN/m	ISO 34-1
Abrasion resistance	20	mm <sup>3</sup>	ISO 4649
Shore A hardness, 3s	82	-	ISO 7619-1
Other properties	Value	Unit	Test Standard
Density	1110	kg/m <sup>3</sup>	ISO 1183
Rheological calculation properties	Value	Unit	Test Standard
Density of melt	945	kg/m <sup>3</sup>	-
Thermal conductivity of melt	0.129	W/(m K)	-
Spec. heat capacity melt	1700	J/(kg K)	-
Eff. thermal diffusivity	8E-8	m <sup>2</sup> /s	-
Ejection temperature	50	°C	-

**Diagrams**

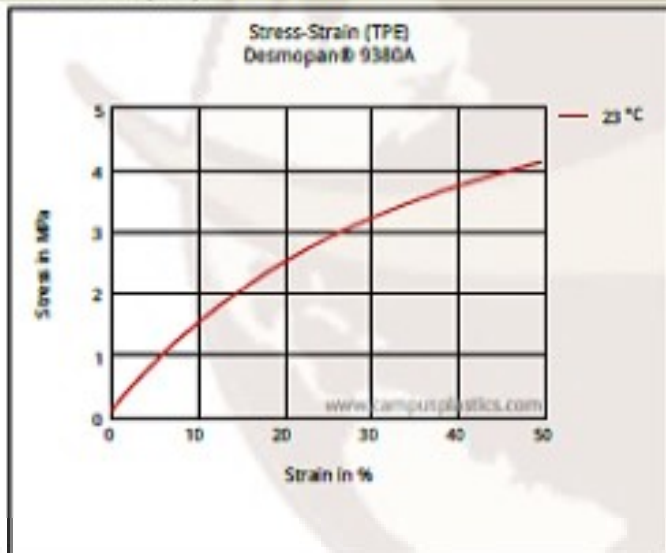
**Viscosity-shear rate**



**Shearstress-shear rate**



**Stress-Strain (TPE)**



**Characteristics**

**Processing**

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

**Other text information**

**Injection molding**

**PREPROCESSING**

Max. water content: 0.05 %

Max. drying temperature: 80 °C

Drying time:

Dry air dryer 1-2 h

**PROCESSING**

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Melt temperature: 200-230 °C

Mold temperature: 20-40 °C

### Other extrusion

Preprocessing

Max. Water content

≤0,05 %

Drying temperature

70-110 °C

Dry air dryer

1-2 h

Processing

Melt temperature

180-210 °C

### Profile extrusion

Preprocessing

Max. Water content

≤0,05 %

Drying temperature

70-110 °C

Dry air dryer

1-2 h

Processing

Melt temperature

180-210 °C

### Typical value

These values are typical values only. Unless explicitly agreed in written form, they do not constitute a binding material specification or warranted values. Values may be affected by the design of the mold/die, the processing conditions and coloring/pigmentation of the product. Unless specified to the contrary, the property values given have been established on standardized test specimens at room temperature.

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The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro.

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