

# CAMPUS® Datasheet

Desmopan® 9385A - 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

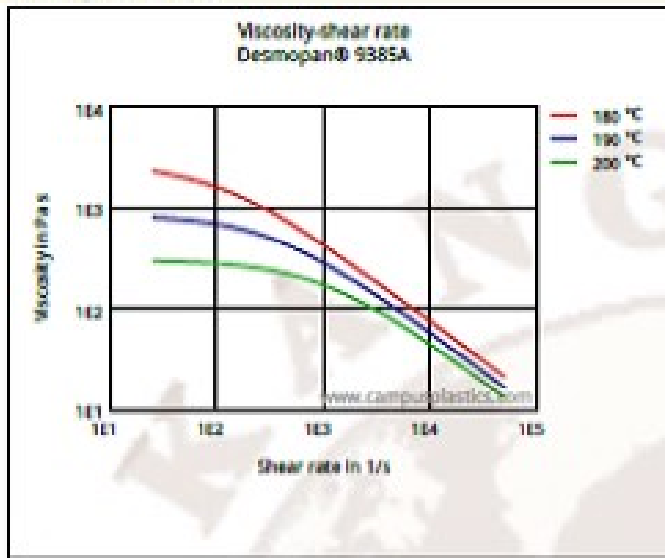
## Application

- Cable sheathings
- Hoses
- non-reinforced

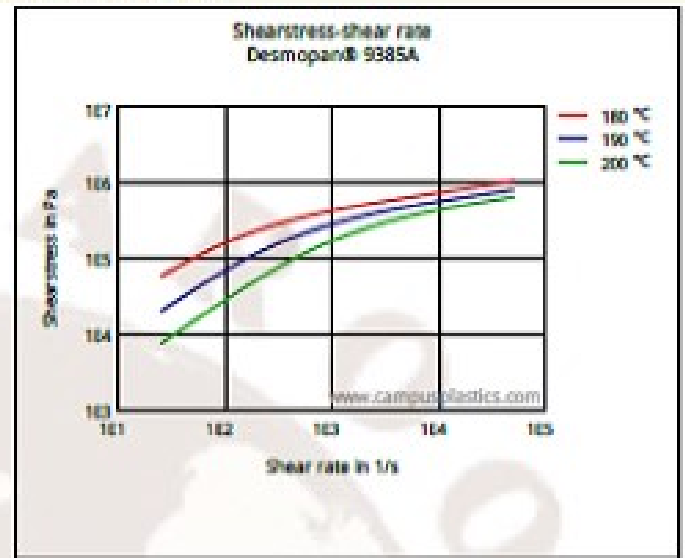
Mechanical properties	Value	Unit	Test Standard
Compression set at 70 °C, 24h	43	%	ISO 815
Tear strength	90	kN/m	ISO 34-1
Abrasion resistance	25	mm <sup>3</sup>	ISO 4649
Shore A hardness, 3s	86	-	ISO 7619-1
Shore D hardness, 15s	35	-	ISO 7619-1
Other properties	Value	Unit	Test Standard
Density	1120	kg/m <sup>3</sup>	ISO 1183
Rheological calculation properties	Value	Unit	Test Standard
Density of melt	980	kg/m <sup>3</sup>	-
Thermal conductivity of melt	0.133	W/(m K)	-
Spec. heat capacity melt	1700	J/(kg K)	-
Eff. thermal diffusivity	7.98E-8	m <sup>2</sup> /s	-
Ejection temperature	50	°C	-

## Diagrams

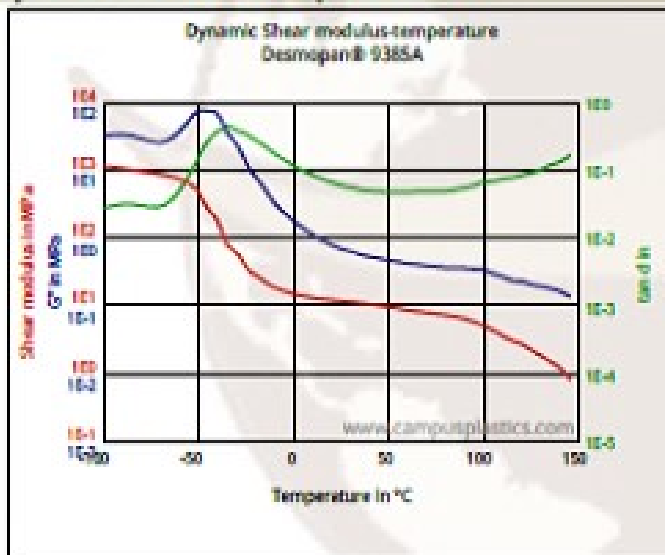
### Viscosity-shear rate



### Shearstress-shear rate



### Dynamic Shear modulus-temperature



## Characteristics

### Processing

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion

### Delivery form

Pellets

### Additives

Lubricants, Release agent

### 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:

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Dry air dryer 1-2 h

#### PROCESSING

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

195-215 °C

#### Profile extrusion

Preprocessing

Max. Water content

≤0.05 %

Drying temperature

70-110 °C

Dry air dryer

1-2 h

Processing

Melt temperature

195-215 °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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