

# CAMPUS® Datasheet

Desmopan® 588 E - TPU  
Covestro Deutschland AG



## Product Texts

- Extrusion- and injection molding grade
- improved microbial resistance
- Improved hydrolysis resistance

## Application

- Cable sheathings
- Hoses
- non-reinforced
- Roof lining

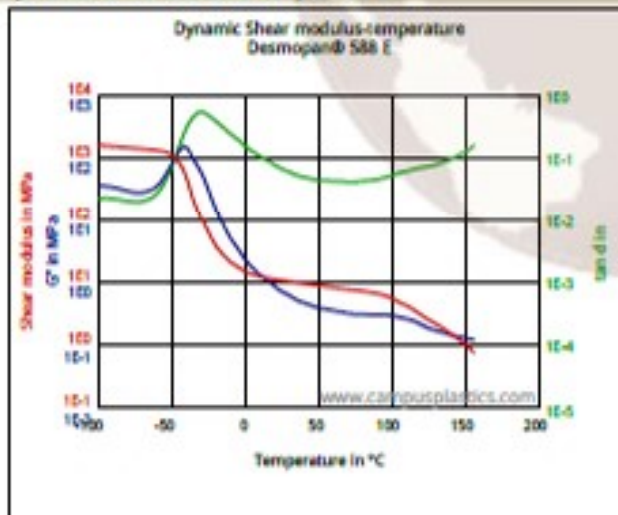
Mechanical properties	Value	Unit	Test Standard
Compression set at 70 °C, 24h	50	%	ISO 815
Tear strength	55	kN/m	ISO 34-1
Abrasion resistance	60	mm <sup>3</sup>	ISO 4649
Shore A hardness, 3s	88	-	ISO 7619-1
Shore D hardness, 15s	33	-	ISO 7619-1

Other properties	Value	Unit	Test Standard
Density	1150	kg/m <sup>3</sup>	ISO 1183

## Diagrams

### Dynamic Shear modulus-temperature



## Characteristics

### Processing

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion, Coating

### Additives

Lubricants, Release agent

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### Delivery form

Pellets

### 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

Melt temperature: 210-230 °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

### Profile extrusion

#### Preprocessing

Max. Water content

≤0.05 %

Drying temperature

70-110 °C

Dry air dryer

1-2 h

### 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.

### General

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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Only Covestro products that are designated as "Medical Grade" may be used in medical devices or intermediates of medical devices. The designation as "Medical Grade" does not mean that Covestro or anyone else has determined that the product is suitable for use in any

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particular Medical Application. Except when Covestro has expressly agreed in writing to the sale of these products for such applications, Covestro products designated as "Medical Grade" shall not be considered candidates for any Medical Applications in: (a) cosmetic, reconstructive or reproductive implants, (b) other body implants, (c) applications involving contact with or storage of human tissue, blood or other bodily fluids for longer than 30 days, or (d) applications involving contact for longer than 24 hours with circulating blood, tissue, bone or dentin.

For further information on the use of Covestro products in Medical Applications, please request from your sales support contact our Guidance document: GUIDANCE ON USE OF COVESTRO PRODUCTS IN A MEDICAL APPLICATION.

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