

## Desmopan 85085A DPS055 TPU

Covestro Deutschland AG

- Injection molding grade
  - no yellowing under the action of UV light
  - improved microbial resistance
  - good low-temperature flexibility
  - Improved hydrolysis resistance
- Application:
- automotive interior applications

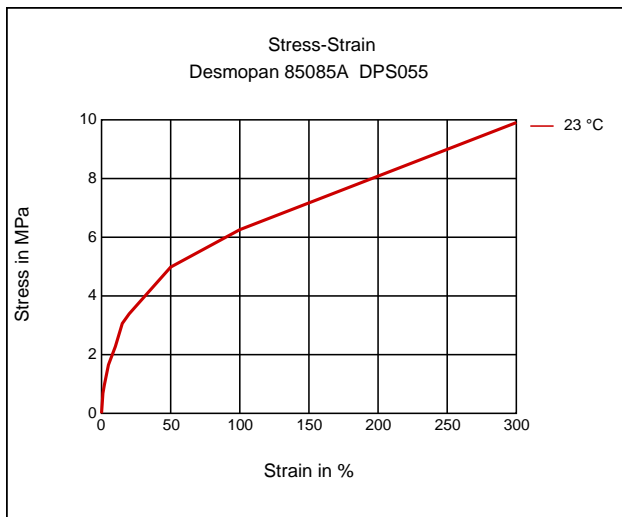
Mechanical Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Stress (10% Elongation)	2.3	MPa	ISO 527
Stress at 100% Elongation	6	MPa	ISO 527
Stress at 300% Elongation	10	MPa	ISO 527
Stress at Break TPE	44	MPa	ISO 527
Strain at Break TPE	>300	%	ISO 527
Compression Set under constant strain, 70 °C	42	%	ISO 815
Tear strength	60	kN/m	ISO 34-1
Abrasion resistance	30	mm <sup>3</sup>	ISO 4649
Shore Hardness A (15s)	85	-	ISO 868

Other Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Density	1130	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	1 - 2	h	-
Processing humidity	≤0.05	%	-
Melt temperature	180 - 210	°C	-
Mold temperature	20 - 40	°C	-

### Diagrams

#### Stress-Strain (TPE)



### Characteristics

#### Processing

Injection Molding

#### Injection Molding

**PREPROCESSING**

Max. water content: 0.05 %  
Max. drying temperature: 80 °C  
Drying time:  
Dry air dryer 1-2 h

**PROCESSING**

Melt temperature: 180-210 °C  
Mold temperature: 20-40 °C

**Disclaimer**

**Liability Exclusion**

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