

Desmopan 85786A

TPU

Covestro Deutschland AG

- Grade for calendering
- no yellowing under the action of UV light
- good low-temperature flexibility
- high rebound resilience
- improved microbial resistance
- Improved hydrolysis resistance

Application:

- Textile coating

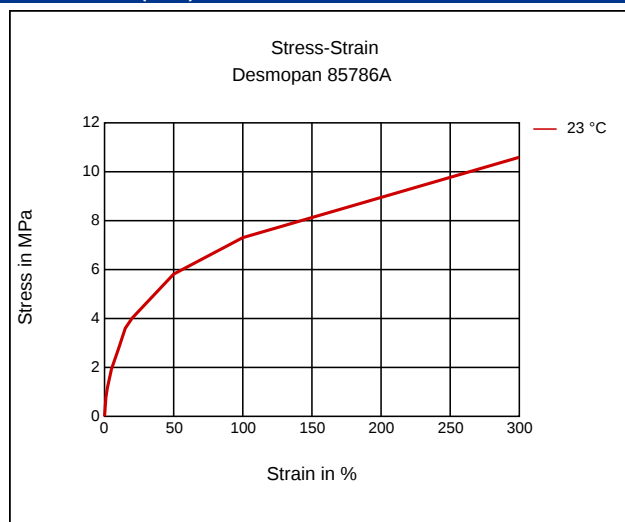
Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Stress (10% Elongation)	2.8	MPa	ISO 527
Stress at 100% Elongation	7.2	MPa	ISO 527
Stress at 300% Elongation	11	MPa	ISO 527
Stress at Break TPE	27	MPa	ISO 527
Strain at Break TPE	>300	%	ISO 527
Compression Set under constant strain, 70 °C	44	%	ISO 815
Tear strength	60	kN/m	ISO 34-1
Abrasion resistance	30	mm ³	ISO 4649
Shore Hardness A (15s)	86	-	ISO 868

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1130	kg/m ³	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	170 - 190	°C	-
Mold temperature	20 - 40	°C	-

Diagrams

Stress-Strain (TPE)



Characteristics

Processing

Injection Molding

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Injection Molding

PREPROCESSING

Max. water content: 0.05 %

Max. drying temperature: 80 °C

Drying time:

Dry air dryer 1-2 h

PROCESSING

Melt temperature: 170-190 °C

Mold temperature: 20-40 °C
