

Desmopan 85786A TPU

Covestro Deutschland AG

- Grade for calandring
 - no yellowing under the action of UV light
 - good low-temperature flexibility
 - high rebound resilience
 - improved microbial resistance
 - Improved hydrolysis resistance
- Application:
- Textile coating

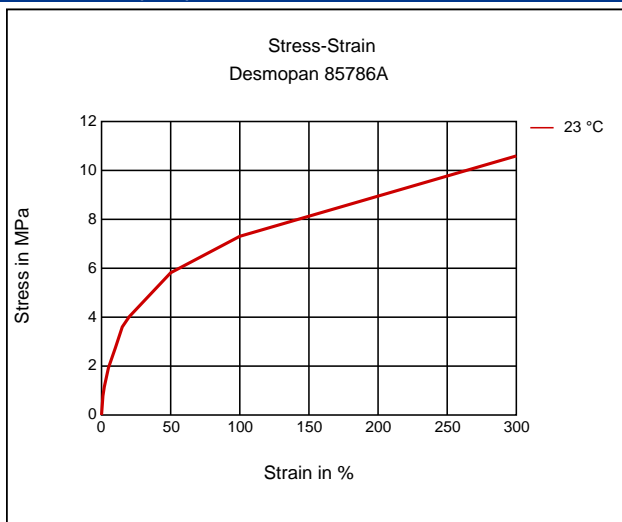
Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Stress (10% Elongation)	2.8	MPa	ISO 527
Stress at 100% Elongation	7.2	MPa	ISO 527
Stress at 300% Elongation	11	MPa	ISO 527
Stress at Break TPE	27	MPa	ISO 527
Strain at Break TPE	>300	%	ISO 527
Compression Set under constant strain, 70 °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

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

Disclaimer

Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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