

Desmopan 385S

TPU

Covestro Deutschland AG

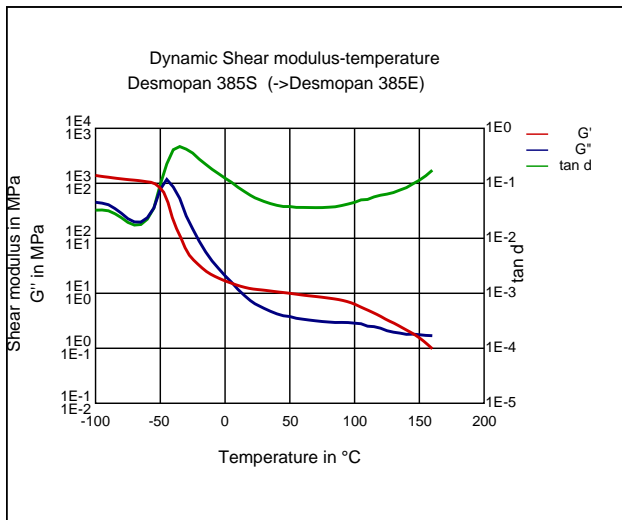
- Extrusion- and injection molding grade
- high mechanical strength
- Application:
 - Films
 - Hoses, non-reinforced
 - Screenpacks
 - Technical parts
 - hard - soft systems

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Stress (10% Elongation)	1.7	MPa	ISO 527
Stress at 100% Elongation	5.3	MPa	ISO 527
Stress at 300% Elongation	13	MPa	ISO 527
Stress at Break TPE	53	MPa	ISO 527
Strain at Break TPE	>300	%	ISO 527
Compression Set under constant strain, 70 °C	40	%	ISO 815
Compression Set under constant strain, 100 °C	25	%	ISO 815
Tear strength	70	kN/m	ISO 34-1
Abrasion resistance	30	mm ³	ISO 4649
Shore Hardness A (15s)	85	-	ISO 868
Shore Hardness D (15s)	32	-	ISO 868

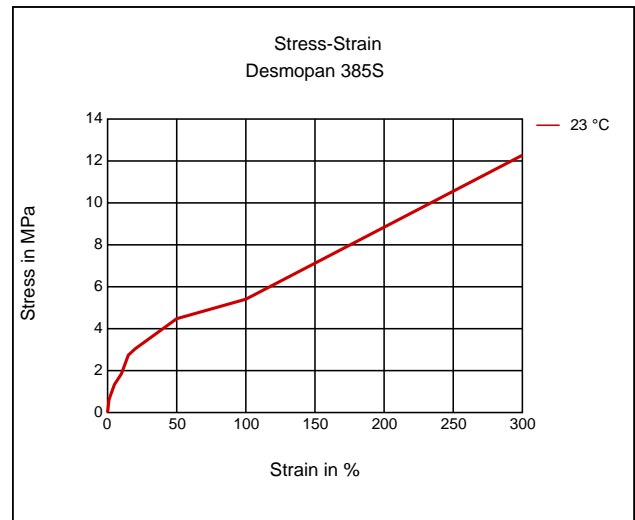
Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1200	kg/m ³	ISO 1183

Diagrams

Dynamic Shear modulus-temperature



Stress-Strain (TPE)



Characteristics

Processing

Injection Molding, Other Extrusion

Additives

Release agent

Delivery form

Pellets

Chemical Resistance

Hydrolysis

Injection Molding

Preprocessing

Max. Water content	≤0.05 %
Drying temperature	70-110 °C
Drying time	
Dry air dryer	1-2 h
Processing	
Melt temperature	210-230 °C

Other Extrusion

Preprocessing	
Max. Water content	≤0.05 %
Drying temperature	70-110 °C
Drying time	
Dry air dryer	1-2 h
Processing	
Melt temperature	200-220 °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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