



Desmopan 3385A

TPU

Covestro Deutschland AG

- Extrusion- and injection molding grade
- good wear resistance
- short cycle times
- high melt stability

Application:

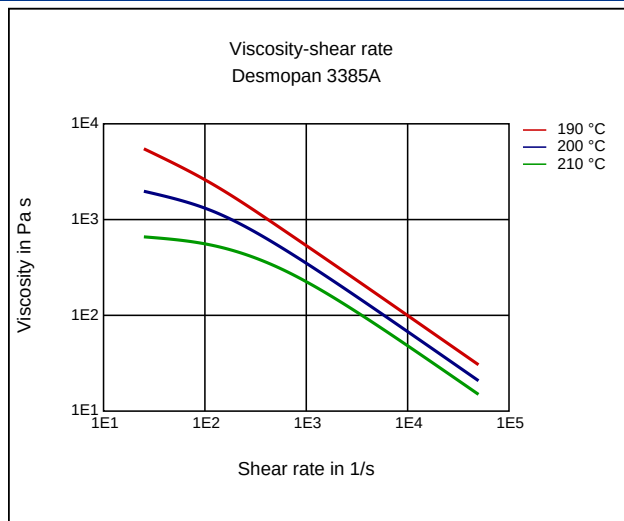
- hard - soft systems
- Hoses, non-reinforced
- Profiles
- Injection molded engineering parts

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Stress (10% Elongation)	1.7	MPa	ISO 527
Stress at 100% Elongation	5.6	MPa	ISO 527
Stress at 300% Elongation	14	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	42	%	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)	33	-	ISO 868

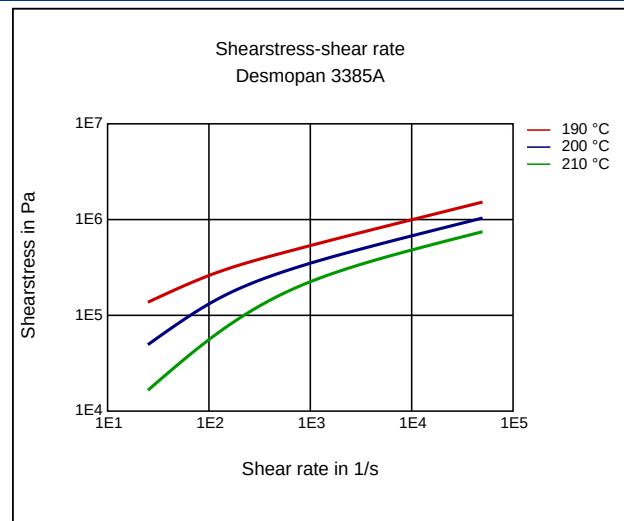
Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1200	kg/m ³	ISO 1183

Diagrams

Viscosity-shear rate



Shearstress-shear rate

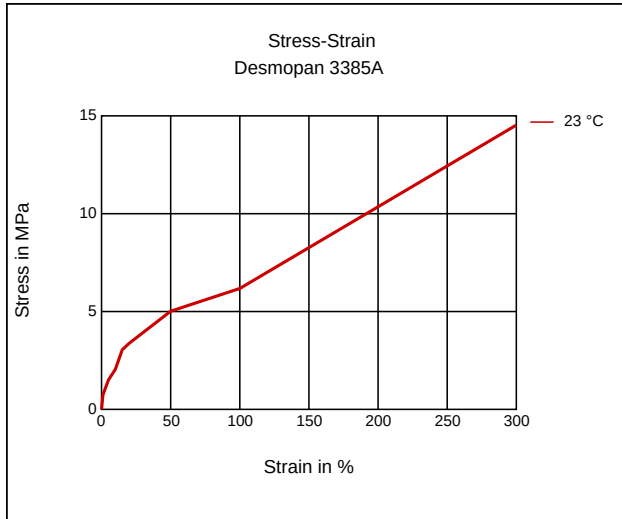


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Stress-Strain (TPE)



Characteristics

Processing

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion

Injection Molding

PREPROCESSING

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

PROCESSING

Melt temperature: 190-210 °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
Processing	
Melt temperature	175-205 °C

Profile extrusion

Preprocessing	
Max. Water content	≤0.05 %
Drying temperature	70-110 °C
Dry air dryer	1-2 h
Processing	
Melt temperature	175-205 °C