



Desmopan 487

TPU

Covestro Deutschland AG

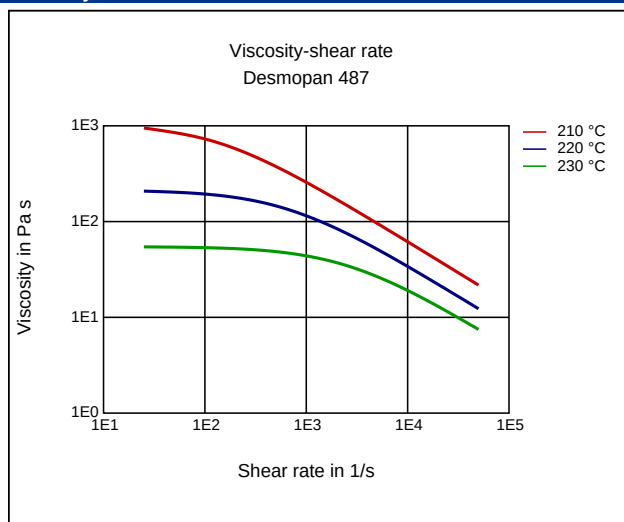
- injection molding grade
- grease and oil-resistant
- low compression set
- good heat resistance
- Application
- Automotive engineering
- roller coating
- Seals, membranes
- Damping elements

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Compression Set under constant strain, 23 °C	13	%	ISO 815
Compression Set under constant strain, 70 °C	23	%	ISO 815
Compression Set under constant strain, 100 °C	16	%	ISO 815
Abrasion resistance	12	mm ³	ISO 4649
Shore Hardness A (15s)	86	-	ISO 868
Shore Hardness D (15s)	33	-	ISO 868

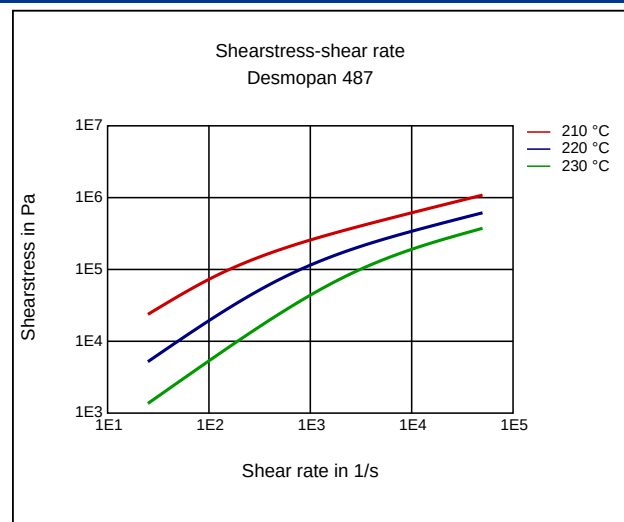
Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1200	kg/m ³	ISO 1183

Diagrams

Viscosity-shear rate



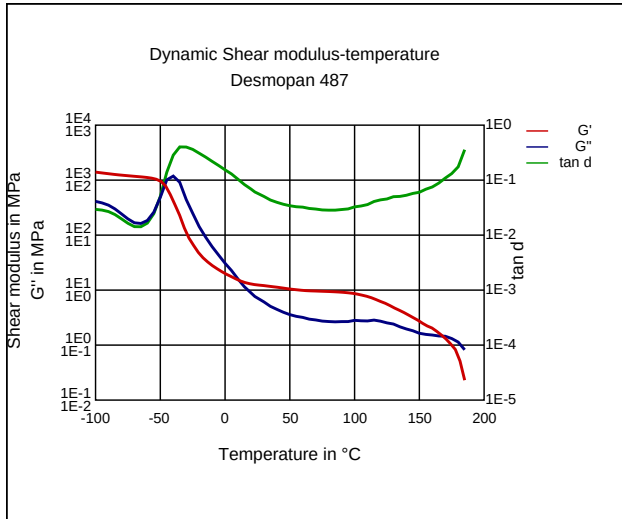
Shearstress-shear rate



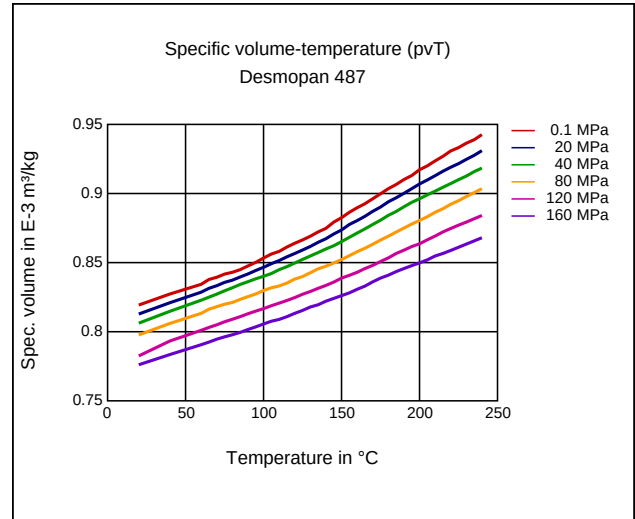
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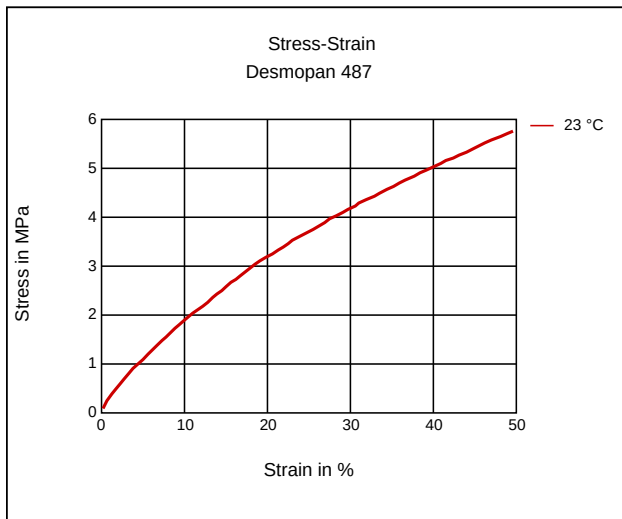
Dynamic Shear modulus-temperature



Specific volume-temperature (pvT)



Stress-Strain (TPE)



Characteristics

Processing

Injection Molding

Delivery form

Pellets

Additives

Lubricants, Release agent

Special Characteristics

Heat aging stabilized

Chemical Resistance

Grease Resistance, Oil Resistance

Applications

Automotive

Other Extrusion

Preprocessing

Max. Water content

≤0.05 %

Drying temperature

70-110 °C

Dry air dryer

1-2 h

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Profile extrusion

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