

# Desmopan 487

TPU

Covestro Deutschland AG

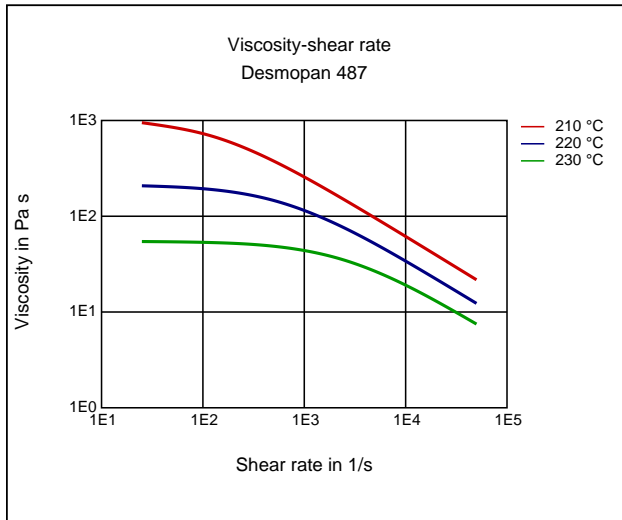
- injection molding grade
- grease and oil-resistant
- low compression set
- good heat resistance
- Application
- Automotive engineering
- roller coating
- Seals, membranes
- Damping elements

Mechanical Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
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 <sup>3</sup>	ISO 4649
Shore Hardness A (15s)	86	-	ISO 868
Shore Hardness D (15s)	33	-	ISO 868

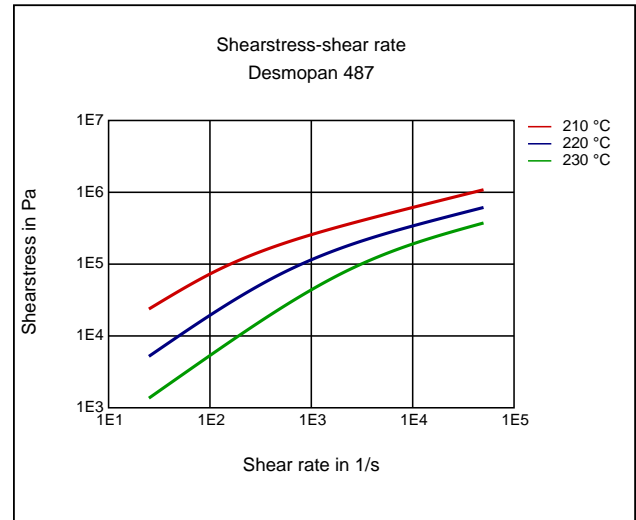
Other Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Density	1200	kg/m <sup>3</sup>	ISO 1183

## Diagrams

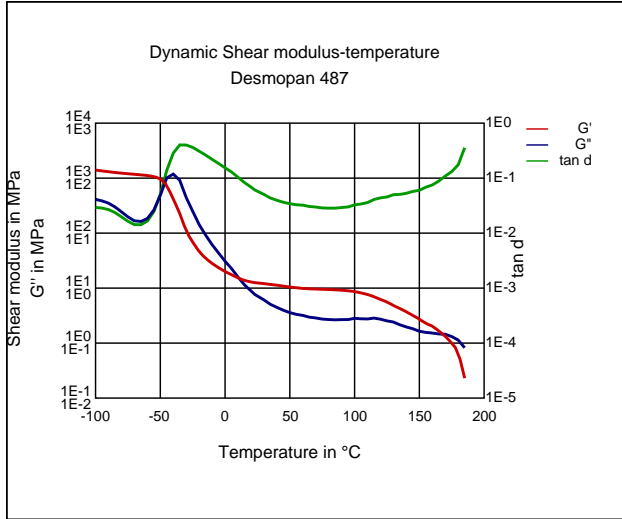
### Viscosity-shear rate



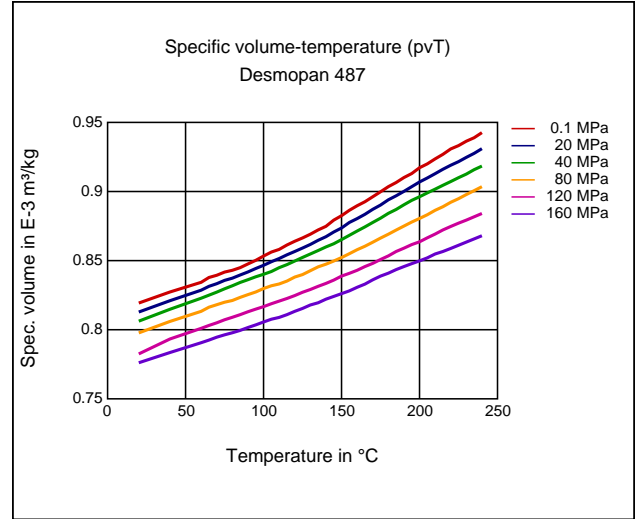
### Shearstress-shear rate



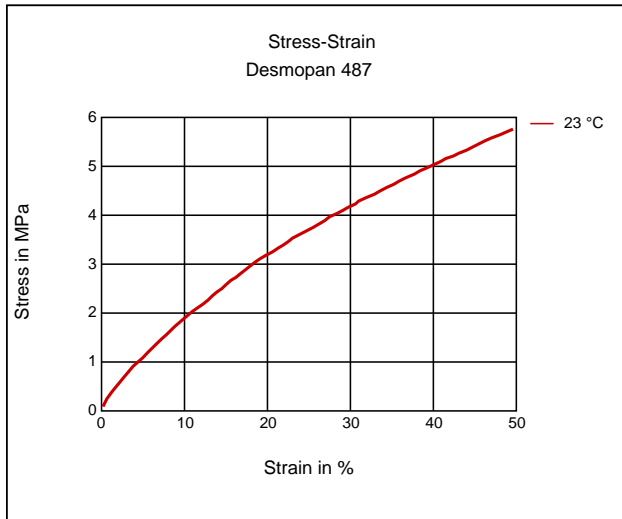
**Dynamic Shear modulus-temperature**



**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

## Profile extrusion

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

## 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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