

# Desmopan 3690AU

## TPU

Covestro Deutschland AG

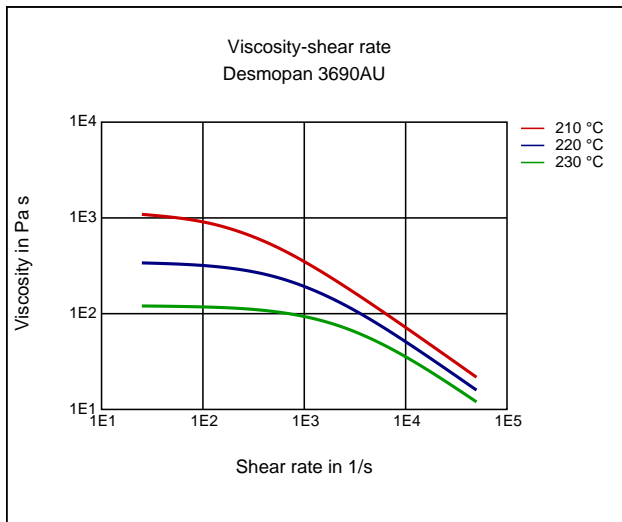
- Extrusion- and injection molding grade
- hydrolysis-stabilised
- with special UV stabilizers
- with release agent
- transparent up to 6 mm wall thickness
- good wear resistance
- Application
- Sports shoe soles
- Films
- Hoses, non-reinforced

Mechanical Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Compression Set under constant strain, 23 °C	21	%	ISO 815
Compression Set under constant strain, 70 °C	42	%	ISO 815
Compression Set under constant strain, 100 °C	25	%	ISO 815
Abrasion resistance	25	mm <sup>3</sup>	ISO 4649
Shore Hardness A (15s)	91	-	ISO 868
Shore Hardness D (15s)	40	-	ISO 868

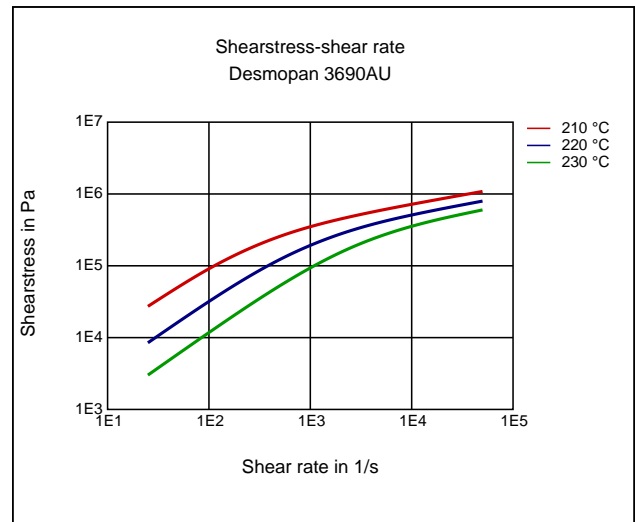
Other Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Density	1210	kg/m <sup>3</sup>	ISO 1183

### Diagrams

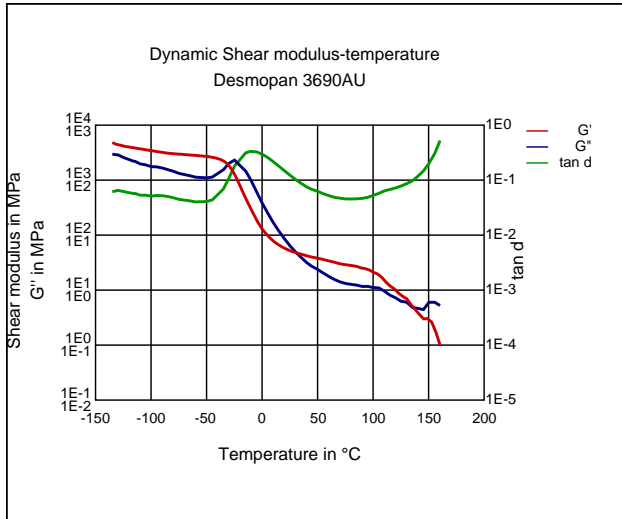
#### Viscosity-shear rate



#### Shearstress-shear rate



**Dynamic Shear modulus-temperature**



**Characteristics**

**Processing**

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion

**Special Characteristics**

Transparent

**Additives**

Release agent

**Injection Molding**

**PREPROCESSING**

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

**PROCESSING**

Melt temperature: 210-230 °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	190-210 °C

**Profile extrusion**

Preprocessing	
Max. Water content	≤0.05 %
Drying temperature	70-110 °C
Dry air dryer	1-2 h
Processing	
Melt temperature	190-210 °C

## Disclaimer

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