

Desmopan 3690AU

TPU

Covestro Deutschland AG

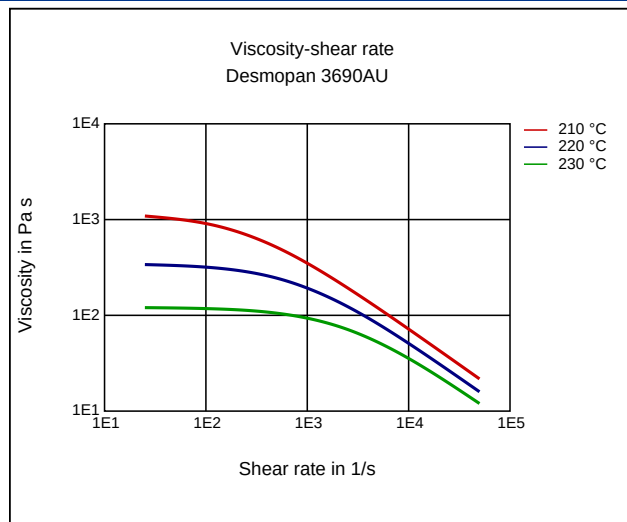
- Extrusion- and injection molding grade
- hydrolysis-stabilised
- with special UV stabilizers
- with release agent
- transparent up to 6 mm wall thickness
- good wear resistance
- Application
- Sports shoe soles
- Films
- Hoses, non-reinforced

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
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 ³	ISO 4649
Shore Hardness A (15s)	91	-	ISO 868
Shore Hardness D (15s)	40	-	ISO 868

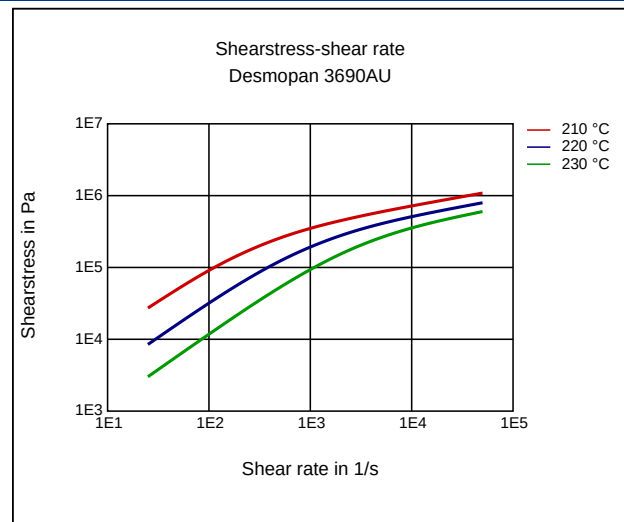
Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1210	kg/m ³	ISO 1183

Diagrams

Viscosity-shear rate



Shearstress-shear rate

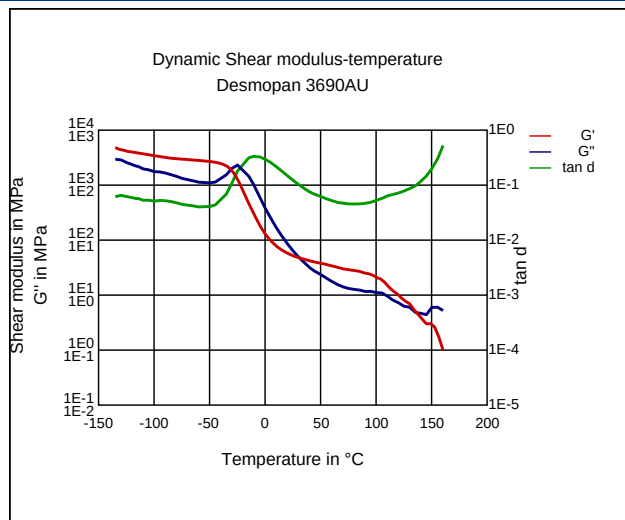


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Dynamic Shear modulus-temperature



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