

Desmopan 3660DU

TPU

Covestro Deutschland AG

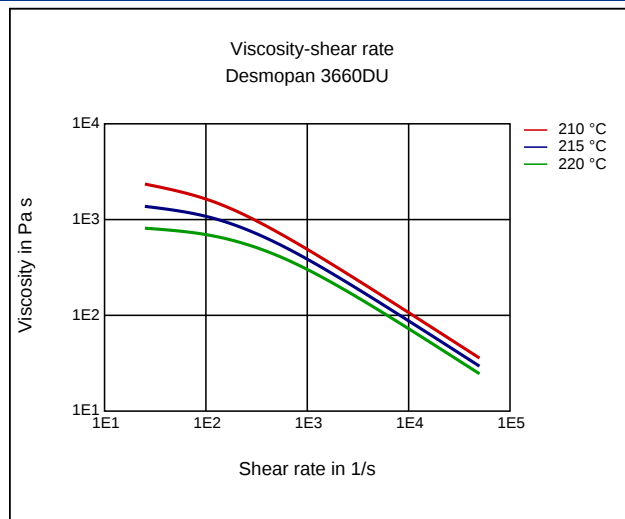
- Extrusion- and injection molding grade
- transparent up to 6 mm wall thickness
- hydrolysis-stabilised
- with special UV stabilizers
- with release agent
- good wear resistance
- Application
- Sports shoe soles
- Hoses, non-reinforced
- Profiles

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Compression Set under constant strain, 23 °C	24	%	ISO 815
Compression Set under constant strain, 70 °C	45	%	ISO 815
Compression Set under constant strain, 100 °C	35	%	ISO 815
Abrasion resistance	23	mm ³	ISO 4649
Shore Hardness A (15s)	98	-	ISO 868
Shore Hardness D (15s)	60	-	ISO 868

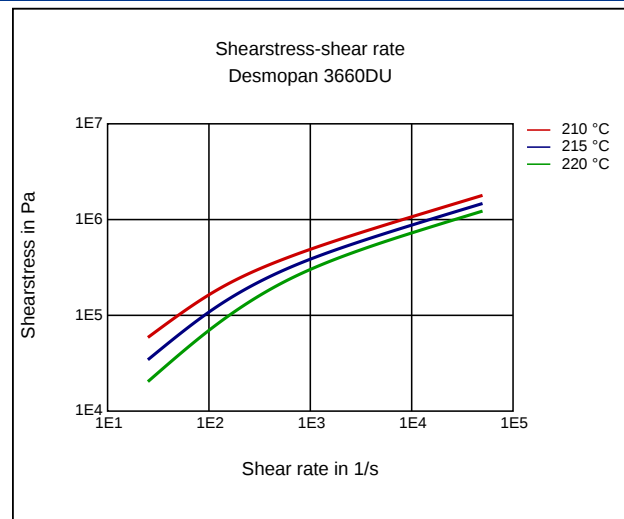
Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1230	kg/m ³	ISO 1183

Diagrams

Viscosity-shear rate



Shearstress-shear rate

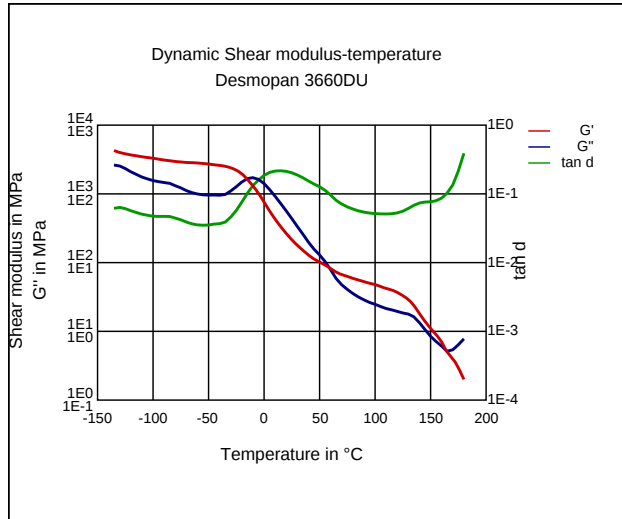


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Dynamic Shear modulus-temperature



Characteristics

Processing

Injection Molding, Other Extrusion

Special Characteristics

Transparent

Additives

Release agent

Injection Molding

PREPROCESSING

Max. water content: 0.05 %
Max. drying temperature: 110 °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

Profile extrusion

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