



Desmopan 9650DU

TPU

Covestro Deutschland AG

- Extrusion- and injection molding grade
- with special UV stabilizers
- transparent up to 6 mm wall thickness
- very good hydrolysis and microbial resistance
- Application
- Ski boot shells
- Hoses, non-reinforced

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Compression Set under constant strain, 23 °C	23	%	ISO 815
Compression Set under constant strain, 70 °C	44	%	ISO 815
Compression Set under constant strain, 100 °C	27	%	ISO 815
Abrasion resistance	25	mm ³	ISO 4649
Shore Hardness A (15s)	96	-	ISO 868
Shore Hardness D (15s)	53	-	ISO 868

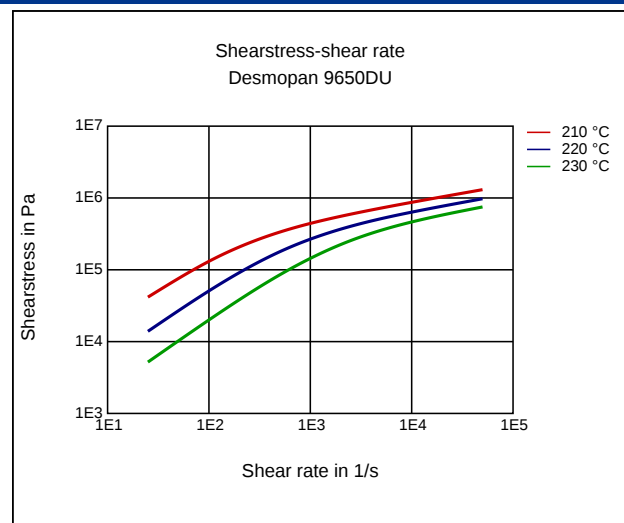
Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1160	kg/m ³	ISO 1183

Diagrams

Viscosity-shear rate



Shearstress-shear rate



Characteristics

Processing

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion

Special Characteristics

Transparent

Injection Molding

PREPROCESSING

Max. water content: 0.05 %
Max. drying temperature: 110 °C
Drying time:
Dry air dryer 1-2 h

PROCESSING

Melt temperature: 210-240 °C
Mold temperature: 40-60 °C