

## Desmopan 9662DU 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

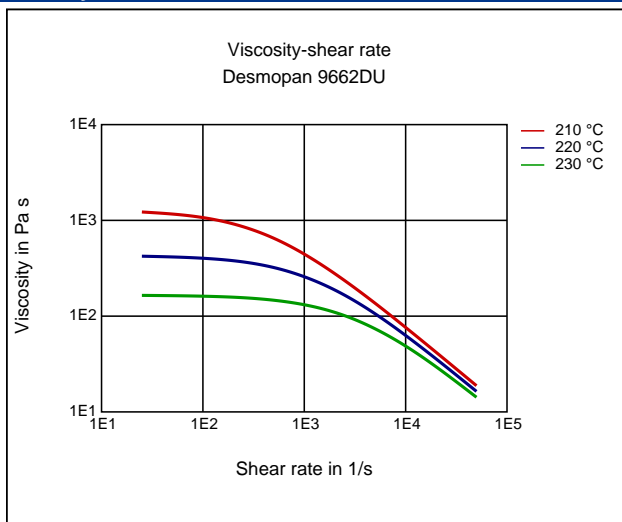
Mechanical Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Stress (10% Elongation)	11.7	MPa	ISO 527
Stress at 100% Elongation	25.9	MPa	ISO 527
Stress at 300% Elongation	45	MPa	ISO 527
Stress at Break TPE	59	MPa	ISO 527
Strain at Break TPE	>300	%	ISO 527
Compression Set under constant strain, 70 °C	43	%	ISO 815
Tear strength	155	kN/m	ISO 34-1
Abrasion resistance	36	mm <sup>3</sup>	ISO 4649
Shore Hardness A (15s)	97	-	ISO 868
Shore Hardness D (15s)	62	-	ISO 868

Other Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Density	1180	kg/m <sup>3</sup>	ISO 1183

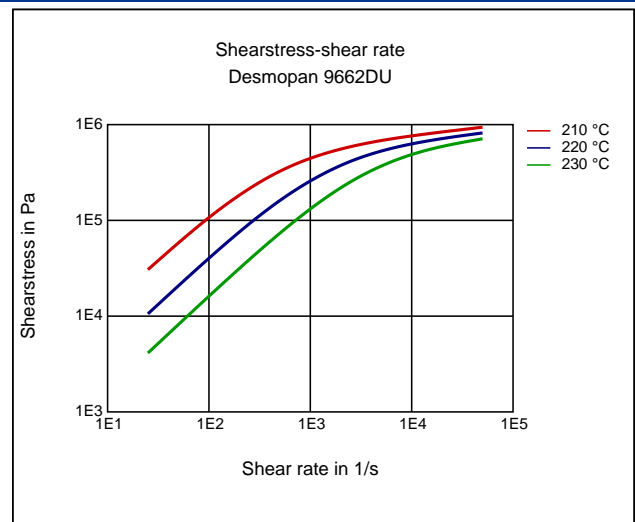
Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	110	°C	-
Pre-drying - Time	1 - 2	h	-
Processing humidity	≤0.05	%	-
Melt temperature	220 - 240	°C	-
Mold temperature	40 - 60	°C	-

## 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

### Other Extrusion

#### Preprocessing

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

Processing  
Melt temperature: 205-235 °C

### 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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