

Product Texts

- Injection molding grade
 - improved microbial resistance
 - Improved hydrolysis resistance
- Application:
- Seals, membranes
 - hard - soft systems

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Stress at 10% elongation	1.5	MPa	ISO 527
^[C] Stress at 100% elongation	5	MPa	ISO 527
^[C] Stress at 300% elongation	8.6	MPa	ISO 527
^[C] Stress at break TPE	22	MPa	ISO 527
^[C] Strain at break TPE	>300	%	ISO 527
^[C] Compression set at 70 °C, 24h	24	%	ISO 815
^[C] Tear strength	55	kN/m	ISO 34-1
^[C] Abrasion resistance	70	mm ³	ISO 4649
^[C] Shore A hardness	80	-	ISO 7619-1
^[C] Shore D hardness	29	-	ISO 7619-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1140	kg/m ³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	1 - 2	h	-
Processing humidity	≤0.05	%	-
Melt temperature	190 - 210	°C	-
Mold temperature	20 - 40	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Other text information**Injection molding**

PREPROCESSING

Max. water content: 0.05 %

Max. drying temperature: 80 °C

Drying time:

Dry air dryer 1-2 h

PROCESSING

Melt temperature: 190-210 °C

Mold temperature: 20-40 °C

Other extrusion

Preprocessing

Max. Water content ≤0.05 %

Drying temperature 70-110 °C

Desmopan 5080A

TPU

Covestro Deutschland AG

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