Desmopan 6080A

TPU — Covestro Deutschland AG

Product Texts

- Injection molding grade
- free from plasticizers
- easy flowing
- very good hydrolysis and microbial resistance
- low abrasion

Application:

- automotive interior applications
- hard - soft systems
- Shoe soles

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Stress at 10% elongation	**1.5**	MPa	ISO 527
[C] Stress at 100% elongation	**5.8**	MPa	ISO 527
[C] Stress at 300% elongation	**10**	MPa	ISO 527
[C] Stress at break TPE	**30**	MPa	ISO 527
[C] Strain at break TPE	**>300**	%	ISO 527
[C] Compression set at 70 °C, 24h	**38**	%	ISO 815
[C] Tear strength	**36**	kN/m	ISO 34-1
[C] Abrasion resistance	**43**	mm³	ISO 4649
[C] Shore A hardness	**80**	-	ISO 7619-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1110**	kg/m³	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	**200 - 220**	°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: 200-220 °C
Mold temperature: 20-40 °C