Desmopan 460

TPU — Covestro Deutschland AG

Product Texts

- Injection molding grade
- grease and oil-resistant
- low compression set
- good heat resistance
- high elasticity

Application:

- Automotive engineering
- Technical parts
- Bearing bushes

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Stress at 10% elongation	**14.8**	MPa	ISO 527
[C] Stress at 100% elongation	**24**	MPa	ISO 527
[C] Stress at 300% elongation	**32**	MPa	ISO 527
[C] Stress at break TPE	**41**	MPa	ISO 527
[C] Strain at break TPE	**>300**	%	ISO 527
[C] Compression set at 70 °C, 24h	**33**	%	ISO 815
[C] Tear strength	**150**	kN/m	ISO 34-1
[C] Abrasion resistance	**40**	mm³	ISO 4649
[C] Shore A hardness	**97**	-	ISO 7619-1
[C] Shore D hardness	**59**	-	ISO 7619-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1220**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Additives
Release agent

Delivery form
Pellets

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: 110 °C
Drying time:
Dry air dryer 1-2 h

PROCESSING
Melt temperature: 230-250 °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
Processing	

Melt temperature	170-190 °C

Profile extrusion

Preprocessing	
Max. Water content	≤0.05 %
Drying temperature	70-110 °C
Dry air dryer	1-2 h
Processing	
Melt temperature	170-190 °C