Desmopan 3860D

(TPU+ABS) Covestro Deutschland AG

Product Texts

- Injection molding grade
- modified with ABS
- good low-temperature flexibility
- good wear resistance

Application:

- Ski boot shells
- Injection molded engineering parts

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Flexural modulus, 23°C	**230**	MPa	ISO 178
[C] Stress at 10% elongation	**13**	MPa	ISO 527
[C] Stress at 100% elongation	**25**	MPa	ISO 527
[C] Stress at 300% elongation	**44**	MPa	ISO 527
[C] Stress at break TPE	**52**	MPa	ISO 527
[C] Strain at break TPE	**>300**	%	ISO 527
Tensile Strength	**52**	MPa	ISO 37
Strain at break	**430**	%	ISO 37
[C] Compression set at 70 °C, 24h	**59**	%	ISO 815
[C] Tear strength	**175**	kN/m	ISO 34-1
[C] Abrasion resistance	**39**	mm³	ISO 4649
[C] Shore D hardness	**59**	-	ISO 7619-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1200**	kg/m³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**100 - 110**	°C	-
Melt temperature	**235 - 245**	°C	-
Mold temperature	**40 - 50**	°C	-

Characteristics

Processing

Injection Molding

Applications

Sports Equipment

Special Characteristics

High impact or impact modified

Regional Availability

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

Other text information

Injection molding

PROCESSING

Melt temperature: 235-245 °C