Desmopan 385E

TPU — Covestro Deutschland AG

Product Texts

- Extrusion- and injection molding grade
- high mechanical strength

Application:

- Films
- Hoses, non-reinforced
- Screenpacks
- Technical parts
- hard - soft systems

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Stress at 10% elongation	**1.7**	MPa	ISO 527
[C] Stress at 100% elongation	**5.3**	MPa	ISO 527
[C] Stress at 300% elongation	**13**	MPa	ISO 527
[C] Stress at break TPE	**53**	MPa	ISO 527
[C] Strain at break TPE	**>300**	%	ISO 527
[C] Compression set at 70 °C, 24h	**40**	%	ISO 815
[C] Compression set at 100 °C, 24h	**23**	%	ISO 815
[C] Tear strength	**70**	kN/m	ISO 34-1
[C] Abrasion resistance	**30**	mm³	ISO 4649
[C] Shore A hardness	**86**	-	ISO 7619-1
[C] Shore D hardness	**32**	-	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	**70 - 110**	°C	-
Pre-drying - Time	**1 - 2**	h	-
Processing humidity	**≤0.05**	%	-

Characteristics

Processing

Injection Molding, Film Extrusion, Profile Extrusion, Sheet Extrusion, Other Extrusion

Delivery form

Pellets

Additives

Release agent

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 %
Drying temperature	70-110 °C
Drying time	
Dry air dryer	1-2 h
Processing	
Melt temperature	210-230 °C

Other extrusion

Preprocessing	
Max. Water content	≤0.05 %
Drying temperature	70-110 °C
Drying time	
Dry air dryer	1-2 h
Processing	
Melt temperature	200-220 °C

Profile extrusion

Preprocessing	
Max. Water content	≤0.05 %
Drying temperature	70-110 °C
Dry air dryer	1-2 h
Processing	
Melt temperature	200-220 °C