Desmopan 786E

TPU — Covestro Deutschland AG

Product Texts

- Extrusion- and injection molding grade
- high mechanical strength
- very good hydrolysis and microbial resistance
- good low-temperature flexibility

Application

- Fire hoses
- Films
- Profiles
- Technical parts

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Stress at 10% elongation	**2.6**	MPa	ISO 527
[C] Stress at 100% elongation	**8.2**	MPa	ISO 527
[C] Stress at 300% elongation	**16**	MPa	ISO 527
[C] Stress at break TPE	**40**	MPa	ISO 527
[C] Strain at break TPE	**>300**	%	ISO 527
[C] Compression set at 70 °C, 24h	**42**	%	ISO 815
[C] Tear strength	**65**	kN/m	ISO 34-1
[C] Abrasion resistance	**40**	mm³	ISO 4649
[C] Shore A hardness	**87**	-	ISO 7619-1
[C] Shore D hardness	**33**	-	ISO 7619-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1150**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion

Delivery form

Pellets

Additives

Lubricants

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: 210-230 °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	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