



Desmopan 588 E TPU

Covestro Deutschland AG

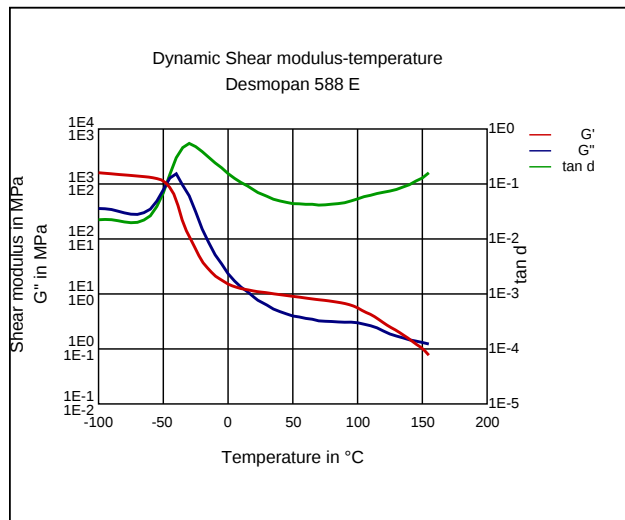
- Extrusion- and injection molding grade
- improved microbial resistance
- Improved hydrolysis resistance
- Application:
 - Cable sheathings
 - Hoses, non-reinforced
 - Roof lining

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Stress (10% Elongation)	1.8	MPa	ISO 527
Stress at 100% Elongation	5.9	MPa	ISO 527
Stress at 300% Elongation	10	MPa	ISO 527
Stress at Break TPE	43	MPa	ISO 527
Strain at Break TPE	>300	%	ISO 527
Compression Set under constant strain, 70 °C	35	%	ISO 815
Tear strength	55	kN/m	ISO 34-1
Abrasion resistance	60	mm ³	ISO 4649
Shore Hardness A (15s)	88	-	ISO 868
Shore Hardness D (15s)	33	-	ISO 868

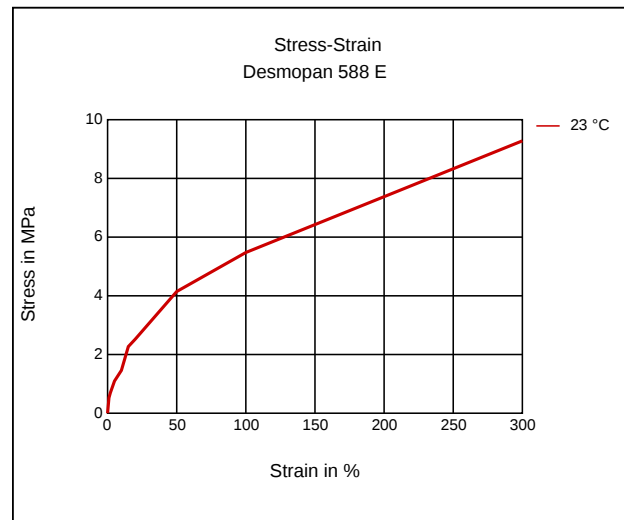
Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1150	kg/m ³	ISO 1183

Diagrams

Dynamic Shear modulus-temperature



Stress-Strain (TPE)



Characteristics

Processing

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion, Coating

Additives

Lubricants, Release agent

Delivery form

Pellets

Injection Molding

PREPROCESSING

Max. water content: 0.05 %

Max. drying temperature: 80 °C

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Drying time:
Dry air dryer 1-2 h

PROCESSING
Melt temperature: 210-230 °C
Mold temperature: 20-40 °C

Other Extrusion

PROCESSING
Melt temperature: 190-210 °C

Profile extrusion

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