



Desmopan 487 DPS062

TPU

Covestro Deutschland AG

- Injection molding grade
- grease and oil-resistant
- low compression set
- good heat resistance
- short cycle times
- Application:
 - Automotive engineering
 - roller coating
 - Seals, membranes
 - Damping elements

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Stress (10% Elongation)	1.9	MPa	ISO 527
Stress at 100% Elongation	6	MPa	ISO 527
Stress at 300% Elongation	15	MPa	ISO 527
Stress at Break TPE	46	MPa	ISO 527
Strain at Break TPE	>300	%	ISO 527
Compression Set under constant strain, 70 °C	26	%	ISO 815
Tear strength	70	kN/m	ISO 34-1
Abrasion resistance	25	mm ³	ISO 4649
Shore Hardness A (15s)	86	-	ISO 868
Shore Hardness D (15s)	34	-	ISO 868

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1210	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	1 - 2	h	-
Processing humidity	≤0.05	%	-
Melt temperature	220 - 230	°C	-
Mold temperature	20 - 40	°C	-

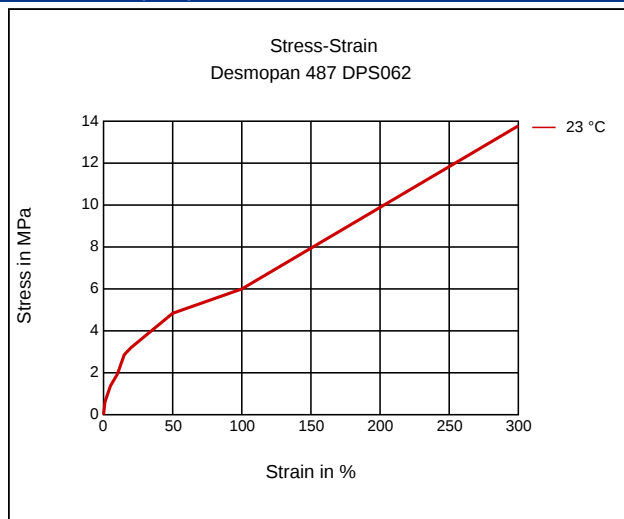
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Diagrams

Stress-Strain (TPE)



Characteristics

Processing

Injection Molding

Additives

Lubricants, Release agent

Delivery form

Pellets

Features

Scratch Resistant

Injection Molding

PREPROCESSING

Max. water content: 0.05 %

Max. drying temperature: 80 °C

Drying time:

Dry air dryer 1-2 h

PROCESSING

Melt temperature: 230-240 °C

Mold temperature: 20-40 °C