



Desmopan 1350D

TPU

Covestro Deutschland AG

- Good wear resistance
- extrusion
- high melt stability
- opaque to translucent
- Application:
 - Cylindrical pellets
 - Pneumatic hoses

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Stress (10% Elongation)	8.7	MPa	ISO 527
Stress at 100% Elongation	17.5	MPa	ISO 527
Stress at 300% Elongation	32	MPa	ISO 527
Stress at Break TPE	51	MPa	ISO 527
Strain at Break TPE	>300	%	ISO 527
Compression Set under constant strain, 70 °C	46	%	ISO 815
Compression Set under constant strain, 100 °C	27	%	ISO 815
Tear strength	135	kN/m	ISO 34-1
Abrasion resistance	29	mm ³	ISO 4649
Shore Hardness D (15s)	52	-	ISO 868

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1240	kg/m ³	ISO 1183

Characteristics

Processing

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion

Injection Molding

PREPROCESSING

Max. water content: 0.05 %
Max. drying temperature: 110 °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 195-215 °C

Profile extrusion

Preprocessing

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

Processing

Melt temperature 210-230 °C