



Desmopan 5377A
TPU

Covestro Deutschland AG

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Stress (10% Elongation)	1.3	MPa	ISO 527
Stress at 100% Elongation	4.9	MPa	ISO 527
Stress at 300% Elongation	8.9	MPa	ISO 527
Compression Set under constant strain, 70 °C	43	%	ISO 815
Tear strength	40	kN/m	ISO 34-1
Abrasion resistance	80	mm ³	ISO 4649
Shore Hardness A (15s)	77	-	ISO 868
Shore Hardness D (15s)	28	-	ISO 868
Tensile Strength	27	MPa	ISO 37
Strain at Break	644	%	ISO 37

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1140	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	180 - 200	°C	-
Mold temperature	20 - 40	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	≤80	°C	-
Melt temperature	170 - 190	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion, Coating

Chemical Resistance

Hydrolysis

Features

Fungus Resistance