



Desmopan 9385 A
TPU

Covestro Deutschland AG

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	45	cm ³ /10min	ISO 1133
Temperature	190	°C	-
Load	21.6	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Stress (10% Elongation)	2	MPa	ISO 527
Stress at 100% Elongation	6.8	MPa	ISO 527
Stress at 300% Elongation	12.2	MPa	ISO 527
Strain at Break TPE	597	%	ISO 527
Compression Set under constant strain, 70 °C	41	%	ISO 815
Tear strength	65	kN/m	ISO 34-1
Abrasion resistance	25	mm ³	ISO 4649
Shore Hardness A (15s)	86	-	ISO 868
Shore Hardness D (15s)	35	-	ISO 868

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1120	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	200 - 230	°C	-
Mold temperature	20 - 40	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 110	°C	-
Melt temperature	195 - 215	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Chemical Resistance

Hydrolysis