



Desmopan® 790-102 DPS 038
TPU

Covestro Deutschland AG

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Stress (10% Elongation)	3.3	MPa	ISO 527
Stress at 100% Elongation	9.9	MPa	ISO 527
Stress at 300% Elongation	24	MPa	ISO 527
Compression Set under constant strain, 70 °C	42	%	ISO 815
Tear strength	85	kN/m	ISO 34-1
Abrasion resistance	30	mm ³	ISO 4649
Shore Hardness A (15s)	92	-	ISO 868
Shore Hardness D (15s)	40	-	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	90	°C	-
Melt temperature	210 - 230	°C	-
Mold temperature	20 - 40	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	90	°C	-
Melt temperature	200 - 220	°C	-

Characteristics

Processing

Injection Molding, Profile Extrusion, Other Extrusion