



Desmopan® CQ3860D MBC091
TPU

Covestro Deutschland AG

Modified with ABS

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Flexural Modulus (23°C)	230	MPa	ISO 178
Abrasion resistance	35	mm ³	ISO 4649
Shore Hardness D (15s)	59	-	ISO 868
Tensile Strength	52	MPa	ISO 37
Strain at Break	430	%	ISO 37
Tensile Stress (10% Elongation)	13	MPa	DIN 53504
Stress at 100% Elongation	25	MPa	DIN 53504
Stress at 300% Elongation	44	MPa	DIN 53504

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1200	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 110	°C	-
Melt temperature	235 - 245	°C	-
Mold temperature	40 - 50	°C	-

Characteristics

Processing

Injection Molding

Applications

Sports Equipment