



Desmopan® CQ9873DU MBC091
TPU

Covestro Deutschland AG

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Flexural Modulus (23°C)	1040	MPa	ISO 178
Compression Set under constant strain, 70°C	61	%	ISO 815
Tear strength	203	kN/m	ISO 34-1
Abrasion resistance	56	mm ³	ISO 4649
Shore Hardness D (15s)	71	-	ISO 868
Tensile Strength	53	MPa	ISO 37
Strain at Break	342	%	ISO 37
Tensile Stress (10% Elongation)	34	MPa	DIN 53504
Stress at 100% Elongation	35	MPa	DIN 53504
Stress at 300% Elongation	47	MPa	DIN 53504

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature A	188	°C	ISO 306
Vicat softening temperature, 50°C/h 50N	103	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1180	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Melt temperature	225 - 235	°C	-
Mold temperature	40 - 60	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Special Characteristics

Impact modified

Features

Fungus Resistance

Chemical Resistance

Hydrolysis

Applications

Sports Equipment