



Desmopan® CQ9868DU MBC091
TPU

Covestro Deutschland AG

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Flexural Modulus (23°C)	550	MPa	ISO 178
Compression Set under constant strain, 70°C	55	%	ISO 815
Tear strength	160	kN/m	ISO 34-1
Abrasion resistance	37	mm ³	ISO 4649
Shore Hardness D (15s)	65	-	ISO 868
Tensile Strength	52	MPa	ISO 37
Strain at Break	367	%	ISO 37
Tensile Stress (10% Elongation)	21	MPa	DIN 53504
Stress at 100% Elongation	28	MPa	DIN 53504
Stress at 300% Elongation	43	MPa	DIN 53504

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature A	184	°C	ISO 306
Vicat softening temperature, 50°C/h 50N	96	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1170	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

Delivery form

Pellets

Special Characteristics

Impact modified, Opaque

Features

Fungus Resistance

Chemical Resistance

Hydrolysis

Applications

Sports Equipment