



Desmopan® CQ80D RC100

TPU

Covestro Deutschland AG

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Impact Strength (Charpy), +23°C	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy), -30°C	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	6.1	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	3	kJ/m ²	ISO 179/1eA
Flexural Modulus (23°C)	1400	MPa	ISO 178
Shore Hardness D (15s)	75	-	ISO 868
Tensile Strength	40	MPa	ISO 37
Strain at Break	60	%	ISO 37
Tensile Stress (10% Elongation)	45	MPa	DIN 53504

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	89	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	95	°C	ISO 75-1/-2
Vicat softening temperature A	113	°C	ISO 306
Vicat softening temperature, 50°C/h 50N	99	°C	ISO 306

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 100	°C	-
Melt temperature	230 - 250	°C	-
Mold temperature	45 - 55	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 100	°C	-
Melt temperature	220 - 250	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Special Characteristics

Opaque, Translucent

Delivery form

Pellets