



Desmopan 9345D
TPU

Covestro Deutschland AG

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Impact Strength (Charpy), -30°C	no break	kJ/m ²	ISO 179/1eU
Flexural Modulus (23°C)	74	MPa	ISO 178
Compression Set under constant strain, 70°C	48 ⁽¹⁾	%	ISO 815
Tear strength	86	kN/m	ISO 34-1
Shore Hardness D (15s)	45	-	ISO 868
Tensile Strength	48	MPa	DIN 53504
Tensile Stress (10% Elongation)	5.4	MPa	DIN 53504
Stress at 100% Elongation	12	MPa	DIN 53504
Stress at 300% Elongation	20	MPa	DIN 53504
Strain at Break TPE	580	%	DIN 53504

1: Method A

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (0.45 MPa)	55	°C	ISO 75-1/-2

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	110 - 120	°C	-
Melt temperature	230 - 245	°C	-
Mold temperature	50 - 70	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	110 - 120	°C	-
Melt temperature	210 - 230	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Features

Fungus Resistance

Special Characteristics

Impact modified

Chemical Resistance

Hydrolysis