

## Desmopan 9345D

TPU

Covestro Deutschland AG

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Flexural modulus, 23°C	74	MPa	ISO 178
Charpy impact strength, -30°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Compression set at 70 °C, 24h	48 <sup>(1)</sup>	%	ISO 815
Tear strength	86	kN/m	ISO 34-1
Shore D hardness	45	-	ISO 7619-1
<b>Other Standards<sup>(5)</sup></b>			
Tensile Strength	48	MPa	DIN 53504
Stress at 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 S: These properties are reported by the producer according standards that are different to our defaults.

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
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

### Special Characteristics

High impact or impact modified

### Features

Fungus Resistance

### Chemical Resistance

Hydrolytically Stable

### Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa