

**Product Texts**

- Injection molding grade
  - very good hydrolysis and microbial resistance
  - very good low-temperature impact strength
  - opaque
  - Cylindrical pellets
- Application:
- Boot shells
  - Technical parts

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Stress at 10% elongation	11.3	MPa	ISO 527
<sup>[C]</sup> Stress at 100% elongation	20.6	MPa	ISO 527
<sup>[C]</sup> Stress at 300% elongation	35	MPa	ISO 527
<sup>[C]</sup> Stress at break TPE	52	MPa	ISO 527
<sup>[C]</sup> Strain at break TPE	>300	%	ISO 527
<sup>[C]</sup> Compression set at 70 °C, 24h	46	%	ISO 815
<sup>[C]</sup> Tear strength	125	kN/m	ISO 34-1
<sup>[C]</sup> Abrasion resistance	46	mm <sup>3</sup>	ISO 4649
<sup>[C]</sup> Shore D hardness	56	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Vicat softening temperature, B	77	°C	ISO 306

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Density	1150	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	110	°C	-
Pre-drying - Time	1 - 2	h	-
Processing humidity	≤0.05	%	-
Melt temperature	220 - 265	°C	-
Mold temperature	60	°C	-

**Characteristics****Processing**

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion

**Regional Availability**

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

**Special Characteristics**

High impact or impact modified

**Other text information****Injection molding**

## PREPROCESSING

Max. water content: 0.05 %

Max. drying temperature: 110 °C

Drying time:

Dry air dryer 1-2 h

## PROCESSING

## **Desmopan 9855DU**

TPU

Covestro Deutschland AG

Melt temperature: 220-265 °C

Mold temperature: 60 °C

### **Other extrusion**

PROCESSING

Melt temperature: 210-230 °C