

## Desmopan® 39855DU

TPU

Grade is obsolete.

Covestro Deutschland AG

### Product Texts

#### Product Description

injection molding grade; very good hydrolysis and microbial resistance; very good low-temperature impact strength

#### Application

Boot shells; Technical parts

#### Processing Information

##### Injection molding:

Melt temperature: 220 - 235°C

Mold temperature: 40 - 60°C

Maximum drying temperature: 110°C

Property	Value	Unit	Standard
100% Modulus	17	MPa	DIN 53504
300% Modulus	25	MPa	DIN 53504

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Flexural modulus, 23°C	210	MPa	ISO 178
Tensile Strength	43	MPa	ISO 37
Strain at break	550	%	ISO 37
Tear strength	119	kN/m	ISO 34-1
Abrasion resistance	27	mm <sup>3</sup>	ISO 4649
Shore D hardness	57	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Glass transition temperature, 10°C/min	-46	°C	ISO 11357-1/-2

Other properties	Value	Unit	Test Standard
Biobased content	52	%	-

### Characteristics

#### Processing

Injection Molding

#### Chemical Resistance

Hydrolytically Stable

#### Special Characteristics

High impact or impact modified

#### Certifications

Contains renewable resources