

Desmopan® 39973DU

TPU

Grade is obsolete.

Covestro Deutschland AG

Product Texts

Product Description

injection molding grade; can substitute some PA11 grades, also suitable for extrusion of sheets, films and tubes; very good hydrolysis and microbial resistance; very good low-temperature impact strength

Application

Boot shells; Technical parts

Processing Information

Injection molding:

Melt temperature: 230 - 245°C

Mold temperature: 40 - 60°C

Maximum drying temperature: 110°C

Property	Value	Unit	Standard
100% Modulus	37	MPa	DIN 53504
300% Modulus	45	MPa	DIN 53504

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Flexural modulus, 23°C	960	MPa	ISO 178
Tensile Strength	48	MPa	ISO 37
Strain at break	330	%	ISO 37
Tear strength	234	kN/m	ISO 34-1
Abrasion resistance	28	mm ³	ISO 4649
Shore D hardness	75	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Glass transition temperature, 10°C/min	-24	°C	ISO 11357-1/-2

Other properties	Value	Unit	Test Standard
Biobased content	42	%	-

Characteristics

Processing

Injection Molding, Film Extrusion, Pipe/Tube Extrusion, Sheet Extrusion

Chemical Resistance

Hydrolytically Stable

Special Characteristics

High impact or impact modified

Certifications

Contains renewable resources