

Desmopan® 39070A

TPU

Grade is obsolete.

Covestro Deutschland AG

Product Texts

Product Description

Extrusion- and injection molding grade; very good hydrolysis and microbial resistance; good low-temperature flexibility; free from plasticizers; high moisture vapor transmission rate

Application

breathable films; Seals, membranes; Films; hard - soft systems; Sports shoe soles

Processing Information

Injection molding:

Melt temperature: 190 - 210°C

Mold temperature: 20 - 40°C

Extrusion:

Melt temperature: 170 - 210°C

Maximum drying temperature: 80°C

Property	Value	Unit	Standard
100% Modulus	3	MPa	DIN 53504
300% Modulus	4.9	MPa	DIN 53504

Mechanical properties

ISO Data

	Value	Unit	Test Standard
Tensile Strength	20	MPa	ISO 37
Strain at break	1180	%	ISO 37
Tear strength	29	kN/m	ISO 34-1
Shore A hardness	72	-	ISO 7619-1

Thermal properties

ISO Data

	Value	Unit	Test Standard
Glass transition temperature, 10°C/min	-60	°C	ISO 11357-1/-2

Other properties

	Value	Unit	Test Standard
Biobased content	72	%	-

Characteristics

Processing

Injection Molding, Other Extrusion

Certifications

Contains renewable resources

Chemical Resistance

Hydrolytically Stable

Applications

Sports Equipment