

Desmopan® 33090A

TPU

Grade is obsolete.

Covestro Deutschland AG

Product Texts

Product Description

injection molding grade; hydrolysis-stabilised; high mechanical strength

Application

Technical parts; Screenpacks; Sports shoe soles and parts

Processing Information

Injection molding:

Melt temperature: 210 - 230°C

Mold temperature: 20 - 40°C

Maximum drying temperature: 80°C

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	13	cm ³ /10min	ISO 1133
Temperature	200	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Stress at 100% elongation	9.7	MPa	ISO 527
Stress at 300% elongation	15.1	MPa	ISO 527
Stress at break TPE	47	MPa	ISO 527
Strain at break TPE	>300	%	ISO 527
Shore A hardness	90	-	ISO 7619-1

Other properties

	Value	Unit	Test Standard
Density	1200	kg/m ³	ISO 1183
Biobased content	57	%	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

U.V. stabilized or stable to weather

Chemical Resistance

Hydrolytically Stable

Certifications

Contains renewable resources

Applications

Sports Equipment