

Product Texts

- Extrusion- and injection molding grade
 - very good hydrolysis and microbial resistance
 - very good low-temperature impact strength
- Application:
- Boot shells
 - Injection molded engineering parts

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Stress at 10% elongation	34	MPa	ISO 527
^[C] Stress at 100% elongation	35	MPa	ISO 527
^[C] Stress at 300% elongation	47	MPa	ISO 527
^[C] Stress at break TPE	52	MPa	ISO 527
^[C] Strain at break TPE	>300	%	ISO 527
^[C] Compression set at 70 °C, 24h	61	%	ISO 815
^[C] Tear strength	203	kN/m	ISO 34-1
^[C] Abrasion resistance	56	mm ³	ISO 4649
^[C] Shore D hardness	71	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Vicat softening temperature, B	103	°C	ISO 306

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1180	kg/m ³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	1 - 2	h	-
Processing humidity	≤0.05	%	-
Melt temperature	235 - 255	°C	-
Mold temperature	50 - 70	°C	-

Characteristics**Processing**

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion

Delivery form

Granules

Additives

Release agent

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather

Regional Availability

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

Other text information**Injection molding**

PREPROCESSING

Max. water content: 0.05 %

recommended drying temperature: 120 °C

Drying time:

Dry air dryer 1-2 h

Desmopan 9873DU

TPU

Covestro Deutschland AG

PROCESSING

Melt temperature: 220 - 260 °C

Mold temperature: 50 - 70 °C

Other extrusion

PROCESSING

Melt temperature: 215-235 °C