

Material Data Sheet

TPU 98.3D

Elastomer	TPU	thermoplastisches Polyurethan
Hardness	98	Sh A
Printing Temperatures	215 - 260	°C
Colour	similar RAL	
Remarks	60	Sh D

Printing properties

Printing temperatures	220 ...240	°C	
Printing speed	20 - 30	mm/s	
Hot pad	50-60	°C	
Bed adhesive	Magigoo		
Fan speed	70-100	%	

Mechanical properties

Density	1,23	g/cm ³	ISO 1183-1-A
Tensile Strength	53,7	MPa	DIN 53504-S2
Elongation at break	318	%	DIN 53504-S2
Tensile Stress at 10 % elongation	12,1	MPa	DIN 53504-S2
Tensile Stress at 50 % elongation	22,1	MPa	DIN 53504-S2
Tensile Stress at 100 % elongation	28,4	MPa	DIN 53504-S2
Tear strength	170	kN/m	DIN ISO 34-18b
Abrasion loss	23	mm ³	DIN ISO 4649A

Approvals of this compound

none

Note

The test results are mean values and represent typical material properties. They are gained under usual laboratory conditions and do not necessarily correspond to results measured on finished goods. The compound information does not release the user from the necessity to conduct his own testing's. Production methods and ingredients are subject to change with regard to technical progress and toxicological regulations

This document does not subject to a revision service

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TPU thermoplastisches Polyurethan

- gute Beständigkeit: Öle, Schmiermittel, Ozon
- nicht Beständig: Wasser Aceton, Säuren, Basen, Alkohole
- Hohe Elastizität
- 700% Dehnbarkeit
- Kompatibel mit handelsüblichen Extrudern
- Auch für Dualextruder und Kombinationsdrucke (ABS, PLA, etc.) geeignet
- Sehr hohe Druckqualität
- Kein beheiztes Druckbett notwendig
- Enorm zäh
- Geringe Wasseraufnahme

- good resistance: oils, greases and ozone
- bad resistance: water, acetone, acids, alkalis, alcohols and car fluids
- High elasticity
- 700% Elongation
- Compatible with commercially available extruders
- Also suitable for dual extruders and combination printing (ABS, PLA, etc.)
- Very high print quality
- No heated print bed necessary
- Enormously tough

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