

Compound P5062

TPU, black, Ultrathan®

Compound Data Sheet

Creator

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Status

Release

Data created electronically. This document is not subject to change management.
Not signed.

Physical properties

Test	Norm	Specimen	Ref. Value	Typ. Value	Unit
Hardness (3 sec)	DIN ISO 7619-1	Button > 6mm	49 - 55	53	Shore D
Density	DIN EN ISO 1183-1	-	1.13 - 1.17	1.15	g/cm ³
Tensile strength (200mm/min)	ISO 37	Type 2	≥ 44	49	MPa
Elongation at break (200mm/min)	ISO 37	Type 2	≥ 400	567	%
Stress at 100% elongation (200mm/min)	ISO 37	Type 2	≥ 16	18	MPa
Compression set (24h/70°C)	DIN ISO 815-1	Type B	≤ 42	40	%
Compression set (72h/70°C)	DIN ISO 815-1	Type B	≤ 50	41	%
Rebound resilience	DIN 53512	Ø= 53mm t= 12mm	≥ 38	45	%

Approvals

Aging Tests

Medium	Time (h)	Temp. (°C)	Norm	Properties		Typical value	
				Δ Hardness (ShA)	Δ Volume (%)	Δ RF (%)	Δ RD (%)

The test results are mean values and represent typical material properties. They are not to be used as specification values.
These test results 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.
We reserve the right to make technical alterations.
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