

Test data provided by raw material manufacturer or an ISO 17025 registered 3rd party lab.
Original test data is stored in the Darcoïd Compound Database



6/8/2020

Darcoïd Compound: 5046

COMPOUND DATA SHEET

LSR, 70±5 SHORE A

APPEARANCE: TRANSPARENT

This compound will meet or exceed the specifications listed and has the following physical properties:

ORIGINAL PROPERTIES	TEST METHOD	VALUE
Hardness Shore A	DIN 53505	70
Appearance		transparent
Density	ISO 1183-1 A	1,14 g/cm ³
Viscosity (shear rate 0.9 s ⁻¹)	DIN 53019	1271000 mPa s
Viscosity (shear rate 10 s ⁻¹)	DIN 53019	450000 mPa s
Tensile strength	DIN 53504 S 1	8,60 N/mm ²
Elongation at break	DIN 53504 S 1	290 %
Tear strength	ASTM D 624 B	21 N/mm
Rebound resilience	DIN 53512	71 %
Compression set *	DIN ISO 815-B (22 h / 175 °C)	13 %
Dielectric strength (1-mm-sheet)	DIN IEC 243-2	23 kV/mm
Volume resistivity	DIN IEC 93	5 x 10 ¹⁵ Ω.cm
Dielectric constant at 50 Hz	DIN VDE 0303	2,8 ε _r
Dissipation factor (50 Hz)	DIN VDE 0303	20 x 10 ⁻⁴ tan δ

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