

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



6/13/2022

Darcoïd Compound: 9114

## COMPOUND DATA SHEET

TPU, 94±5 Shore A

Color: Violet

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

ORIGINAL PROPERTIES	DIN	TYPICAL RESULTS
Hardness, Shore A	ISO 7619	94
Hardness, Shore D	ISO 7619	46
Specific Gravity, g/cm <sup>3</sup>	ISO 1183-1	1.20
Tensile Strength, MPa	53504	55
Ultimate Elongation, %	53504	500
20% Modulus, MPa	53504	8.2
50% Modulus, MPa	53504	11.0
100% Modulus, MPa	53504	12.5
200% Modulus, MPa	53504	17.8
300% Modulus, MPa	53504	24.5
Tear Resistance, N/mm	ISO 34-1	110
Abrasion, mm <sup>3</sup>	ISO 4649	35
Bayshore Rebound, %	ISO 815	29
Vicat softening point, °C	ISO 306	170
Tg, °C	DSC	-35

COMPRESSION SET	DIN	TYPICAL RESULTS
70 HR @ 23°C, %	ISO 815	15
24 HR @ 70°C, %	ISO 815	25
24 HR @ 100°C, %	ISO 815	30
70 HR @ 100°C, %	ISO 815	35

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