

Technical Data Sheet

Graphene platelets

Revision Date: 2025-07-28

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY / UNDERTAKING

Product name	Graphene platelets
Product code	CP-0067-HP
CAS	1034343-98-0
EC-Nr.	801-282-5
Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
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2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Graphene
CAS No.	1034343-98-0
EC-No.	801-282-5
Empirical Formula	C
Molecular weight	12.01 g/mol
Purity	99.5 %
Thickness	6 - 8 nm
Average Particle Diameter	15 µm
Specific Surface Area	120 – 150 m ² /g
Colour	black
Electrical Conductivity (S/m):	10 ⁷ (parallel to surface)

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	10 ² (perpendicular to surface)
Thermal Conductivity (W/m.K):	3000 (parallel to surface)
	6 (perpendicular to surface)
Density (g/cm³)	2.2
Bulk density (g/cm³)	0,03 – 0,1
Thermal expansion (m/m/°K)	4 - 6 *10 ⁻⁶ (parallel to surface)
	0,5 – 1 -10 ⁻⁶ (perpendicular to surface)
Tensile Modulus (GPa)	1000 (parallel to surface)
Tensile Strength (GPa)	5

3 DISCLAIMER

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