

Alumide

High temperature resistant
with metallic appearance



Applications

- Metallic appearance
- Can be finished by grinding, polishing or coating
- High temperature resistant
- Suitable for wind tunnel tests
- Suitable for tool inserts, illustrative models and jig manufacture.



Physical Properties

Colour	Metallic
Type	Aluminium filled SLS

Mechanical Properties

		TEST/ISO
Hardness Shore A/D	76D	DIN 53505
Flexural Modulus (MPa)	3,600	DIN EN ISO178
Tensile Strength (MPa)	48	Din EN ISO527
Tensile Modulus (MPa)	3,800	
Elongation Break (%)	4	
Impact Strength (J/m)	29	DIN EN ISO180

Thermal & Specific Properties

Melting Point (°C)	172 – 180	DIN 53736
Heat deflection temperature (°C)	177	ASTM D648
Heat Conductivity [W(mk) ⁻¹]	0.5 – 0.8	Hot wire method

Electrical Properties

Surface Resistance [10V]	3 x 10¹²Ω	IEC93
Volume Resistance [10V]	6 x 10¹²Ω	
Dielectric Constant (1kHz)	13 ± 438 (100Hz)	
Dielectric loss factor (1kHz)	0.018 ± 0.002	DIN 53483

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