

放熱材料用大粒子酸化亜鉛

Large Particle Zinc Oxide
For High Thermal Conductive Materials

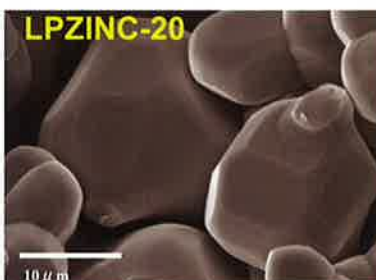
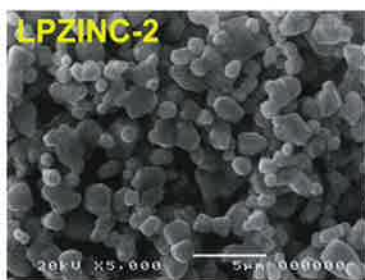
LPZINC

特徴 Characteristics

- 各種樹脂へ高密度充填が可能な熱伝導性に優れた材料
High thermal conductive materials that can be packed closely in resin.
- 真球状のSシリーズと、絶縁性を高めたSRシリーズをラインナップ
Spherical grade (S series) and high electric resistive grade (SR series) was lined up.

物性 Properties

			LPZINC series	LPZINC-S series	LPZINC-SR series
粒子径	Particle size	μm	2, 5, 11, 20	20, 30,(40) 50	20, 30,(40) 50
純度	Purity	%	99.9	99.9	95.0~99.0
鉛	Lead	ppm	10	10	10
カドミウム	Cadmium	ppm	1	1	1



放熱シート評価 Thermal conductive sheet evaluation

Grade	Particle size (μm)	Low content (62.9vol%)		High content (68.8vol%)	
		TC (W/mK)	VR (Ω·cm)	TC (W/mK)	VR (Ω·cm)
LPZINC-30S	30	3.3	7.1×10^{10}	9.5	3.8×10^9
LPZINC-30SR	30	2.8	3.7×10^{13}	4.0	2.6×10^{13}
LPZINC-20	20	2.6	4.5×10^{10}	6.1	7.1×10^{10}
LPZINC-2	2	2.4	4.6×10^{10}	—	—
Alumina	30	2.3	3.6×10^{14}	2.4	1.8×10^{15}
Alumina	20	1.6	2.0×10^{14}	1.3	2.3×10^{14}

*) Above tests were done by using EEA (Ethylene-Ethyl-Acrylate) resin.



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