

**球形氧化铝/Spherical Alumina Powder HTA-40**

- 高球化率，高填充率，高热导率，低离子含量。/High Spheroidization Ratio, High Filling Ratio, High Thermal Conductivity, Trace Ionic Impurities.
- 应用/Application  
热界面材料，导热工程塑料，导热基板。/Thermal Interface Materials, Thermal Plastics, Thermal Clads.

➤ 物理特性/Physical Characteristics

项目 /Item	单位 /Unit	典型值 /Typical Value	方法/设备 Method/Device
粒度/Particle Size	(D <sub>10</sub> )	μm	25.23
	(D <sub>50</sub> )	μm	42.44
	(D <sub>90</sub> )	μm	64.73
粒度/Particle Size	(D <sub>10</sub> )	μm	31.79
	(D <sub>50</sub> )	μm	50.09
	(D <sub>90</sub> )	μm	75.32
比表面积/S.S.A.	m <sup>2</sup> /g	0.09	3H-2000A Specific Surface Area Analyzer
电导率/Electrical Conductivity	μS/cm	3.32	Mettler FE-30 Conductivity Meter
pH	-	7.62	Mettler FE-20 pH Meter
含湿率/Moisture	%	0.03	Halogen water-determination meter / (110°C/10min)
真密度/True Density	g/cm <sup>3</sup>	3.83	3H-2000TD True Density Analyzer
球化率/ Spheroidization	%	98	Microscopic Observation

➤ 化学成份/Chemical Characteristics

项目 /Item	单位 /Unit	典型值 /Typical Value	方法/设备 Method/Device
化学成分/Chemical Composition	Al <sub>2</sub> O <sub>3</sub>	%	99.93
	SiO <sub>2</sub>	ppm	100
	Fe <sub>2</sub> O <sub>3</sub>	ppm	90
	Na <sub>2</sub> O	ppm	110
	Loss	%	0.04
			1-Fe <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> O-SiO <sub>2</sub> -Loss
			ICP
			ICP
			ICP
			1100°C/2h

➤ SEM Image

