

FO

Fujimi
Optical
Emery

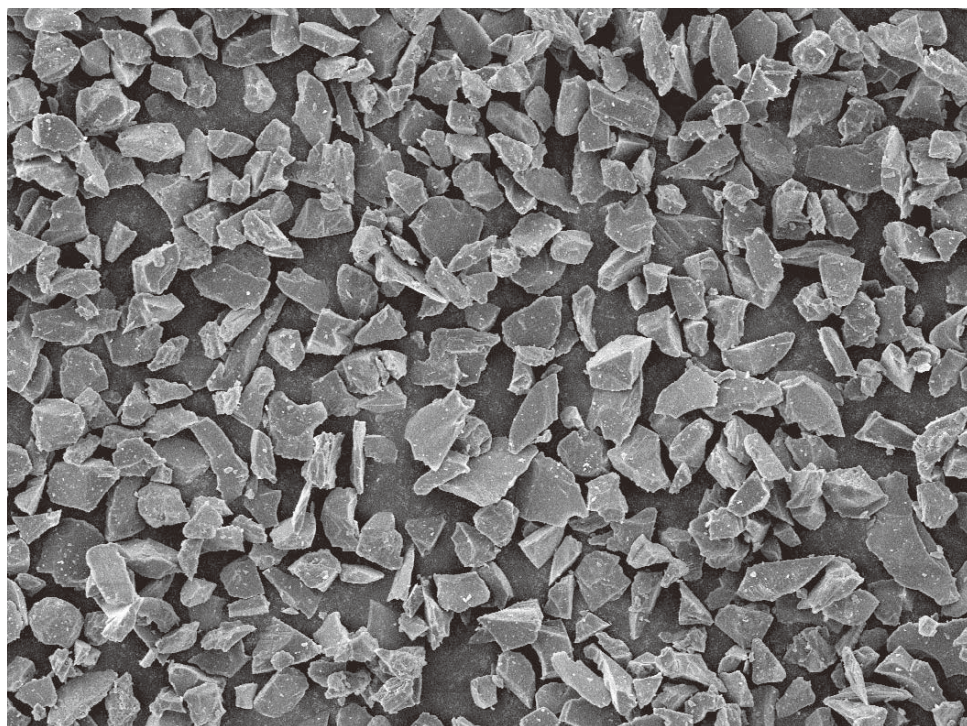
该照片是示意图。This photograph is an image.

■FO

以计算机为中心的 FA 设备、OA 设备、录像装置、音频产品、汽车用电子设备、通信用电子设备等电子产业相关设备类的核心部使用的半导体元件。为了制造该半导体元件，必须对以硅为代表的半导体晶圆或化合物半导体晶圆均匀地进行表面加工。最适合该表面加工的研磨材料，是集合了 FUJIMI 技术的精抛材料 FO。FO 是使用严选的材料，通过独自的制造工序，实现优异的颗粒形状和硬度的氧化铝基精抛材料。其是在严格的品质管理下制造而成的，研磨能力始终稳定的同时，还可防止产生划伤。因此，不仅是半导体晶体，针对透镜、棱镜、玻璃等光学材料也可发挥极其卓越的加工性能，而且也可以放心地用于附加价值高的加工物。

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Found inside nearly every type of electronic devices, ranging from the computers which form the core of Factory and Office Automation equipment, to video devices and audio products, electronic equipment for automobile or communication, semiconductors are the heart and soul of the electronics industry. In producing these semiconductor devices, the surface of the semiconductor wafer, most typically silicon, or a compound semiconductor, must be precisely lapped. The most suitable material to process the surface of semiconductor elements is the product harvested from Fujimi's technology; the precision lapping powder FO. FO is an alumina based precision lapping powder, made by using carefully selected materials, and undergoing Fujimi's own unique processing to produce a powder with special particle shape and hardness. Under the strictest quality control, FO is produced to provide constant, stable lapping capability, with no scratch on the surface of the material being lapped. This being the case, not only is FO effective with semiconductor wafers, it also possesses superior capabilities in the processing of lenses, prisms, and other glassware used for optical applications. Thus, FO can be used with complete confidence, for high value-added workpieces.



FO#1200

标准粒度标准 Standard Specifications for Particle Size

粒度 Particle Size	粒度分布 Particle Distribution (μm)				包装 Packaging	
	最大粒径 Maximum particle size	累积高度3% 点的粒径 Particle size at 3% point	累积高度50% 点的粒径 Particle size at 50% point	累积高度94% 点的粒径 Particle size at 94% point	立式袋 净重(kg) Stand pack Net weight (kg)	纸袋 净重(kg) Vinyl lined Net weight (kg)
# 240	≤93.1	≤71.8	38.3~44.7	≥28.7	5	20
# 280	≤81.4	≤64.1	32.5~37.8	≥22.8	5	20
# 320	≤70.6	≤56.3	26.4~31.3	≥18.1	5	20
# 400	≤64.3	≤50.2	22.4~26.9	≥15.5	5	20
# 500	≤54.3	≤43.3	18.7~22.1	≥13.2	5	10 · 20
# 600	≤46.3	≤37.4	15.7~18.5	≥11.0	5	10 · 20
# 700	≤39.3	≤31.5	13.3~15.6	≥8.70	4	20
# 800	≤33.3	≤27.5	11.0~13.0	≥7.00	4	10 · 20
# 1000	≤21.0	≤14.7	10.0~10.6	≥7.00	4	10 · 20
# 1200	≤18.0	≤11.8	7.00~7.50	≥4.20	4	10 · 20
# 1500	≤14.0	≤10.0	5.30~6.30	≥3.50	4	10 · 20
# 2000	≤13.0	≤9.00	4.20~5.20	≥2.60	4	10 · 20
# 3000	≤10.0	≤6.30	3.30~4.10	≥1.70	3	20
# 4000	≤8.50	≤5.40	2.40~3.20	≥1.50	3	20
# 6000	≤8.00	≤5.00	1.60~2.40	≥0.80	3	

粒度测量方法是电阻法。
Particle size is measured by Electrical sensing zone methods.

质量标准 Quality Standard

种类 Type of product	粒度 Particle size	比重 Specific Gravity	化学成分 Chemical composition (%)				
			Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	ZrO ₂
FO	# 240~# 400	≥3.90	≥45.00	≤20.00	≤0.50	≤2.00	≤38.00
	# 500~# 1200	≥3.90	≥45.00	≤20.00	≤0.50	≤2.00	≤33.00
	# 1500~# 6000	≥3.90	≥40.50	≤25.00	≤0.70	≤2.00	≤33.00