



The best of silica sand for mold sand, suitable for all foundry applications

Fremantle silica sand (FM)

Features	Pure silica sand from Western Australia with excellent colorability, stable particle size and shape, spherical grain shape, high affinity for resin, contributing to cost reduction in casting production.
Discharging port	Yokohama and others
Size(AFS)	FM16(16/30)、FM30(30/35)、FM42(42/46)、FM50(50/55)、FM55(55/60)、FM80(80/100)

代表分析値		%
Chemical Composition 化学組成	SiO ₂	99.8
	Al ₂ O ₃	0.04
	Fe ₂ O ₃	0.01
	TiO ₂	0.03
	Ig.loss	0.05
Physical Property 物理的性質	見掛比重 Apparent Specific Gravity	1.6
	酸消費量 Acid Consumption	0.5mℓ / 50g
	粘土分 Clay	0.06
	pH	6.8
	粒形係数 Coefficient of grain diameter	1.2



mesh	14	20	28	35	48	65	100	150	200	270	PAN	GFN
μm	1180	850	600	425	300	212	150	106	75	53		(AFS)
16/30	0.2	13.6	73.1	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0
30/35	0.0	3.3	22.3	41.6	18.9	7.8	5.2	0.7	0.2	0.0	0.0	33.3
42/46	0.0	0.0	0.4	19.0	41.8	27.2	9.7	1.5	0.1	0.0	0.0	45.0
50/55	0.0	0.0	0.1	1.9	27.2	46.7	19.8	3.9	0.4	0.1	0.0	53.0
55/60	0.0	0.0	0.0	0.2	15.6	50.6	26.8	5.6	0.5	0.1	0.0	57.0
80/100	0.0	0.0	0.0	0.2	1.3	11.7	42.2	34.0	9.6	1.0	0.0	86.0