

“Hydrated Inorganic Flame Retardant for Plastic and Rubber”

KISUMA™ 5

(Magnesium Hydroxide)

“KISUMA™ 5” has been developed for use as Non-Halogen Flame Retardant of Plastic and Rubber. We offer various grade of products with various surface treatments by considering the dispersibility and compatibility to polymers.

【Grade】

- KISUMA™ 5A : Water resistance and acid resistance are good. (Surface-treated product by higher fatty acid)
- KISUMA™ 5B : Improved mechanical properties (including excellent low-temperature brittleness properties) for polyolefin. (Surface-treated product by higher fatty acid)
- KISUMA™ 5E : Improved dispersibility and compatibility to polar resin such as nylon resin (Specially surface-treated product)
- KISUMA™ 5J : Excellent water resistance and acid resistance
- KISUMA™ 5P/5L : Excellent Tensile strength (Surface-treated product by silane coupling agent)

【Typical Data】

		KISUMA™ 5A	KISUMA™ 5B	KISUMA™ 5E	KISUMA™ 5J	KISUMA™ 5P/5L
Mg(OH) ₂	(%)	97.7	98.6	99.6	97.4	100.0
Loss on Drying	(%)	0.09	0.07	0.05	0.10	0.08
Specific Surface Area (BET)	(m ² /g)	5.4	4.5	5.0	4.5	6.0
Particle Size Distribution						
Average Particle Size %50	(μm)	0.83	0.83	0.81	0.81	0.72
Over 5μm	(vol%)	0	0	0	0	0

Package	NET weight
Paper bag	20 kg

‘KISUMA’ is a registered trademark of SETOLAS Holdings, Inc. in many countries.