

“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	(%)	97.6	98.5	99.6	97.4	100.0
Loss on Drying	(%)	0.06	0.06	0.12	0.10	0.07
Specific Surface Area (BET)	(m ² /g)	4.8	4.3	5.1	4.7	5.7
Particle Size Distribution						
Average Particle Size %50	(μm)	0.94	0.92	0.86	0.91	0.80
Over 5μm	(vol%)	0	0	0	0	0

Package	NET weight
Paper bag	20 kg