



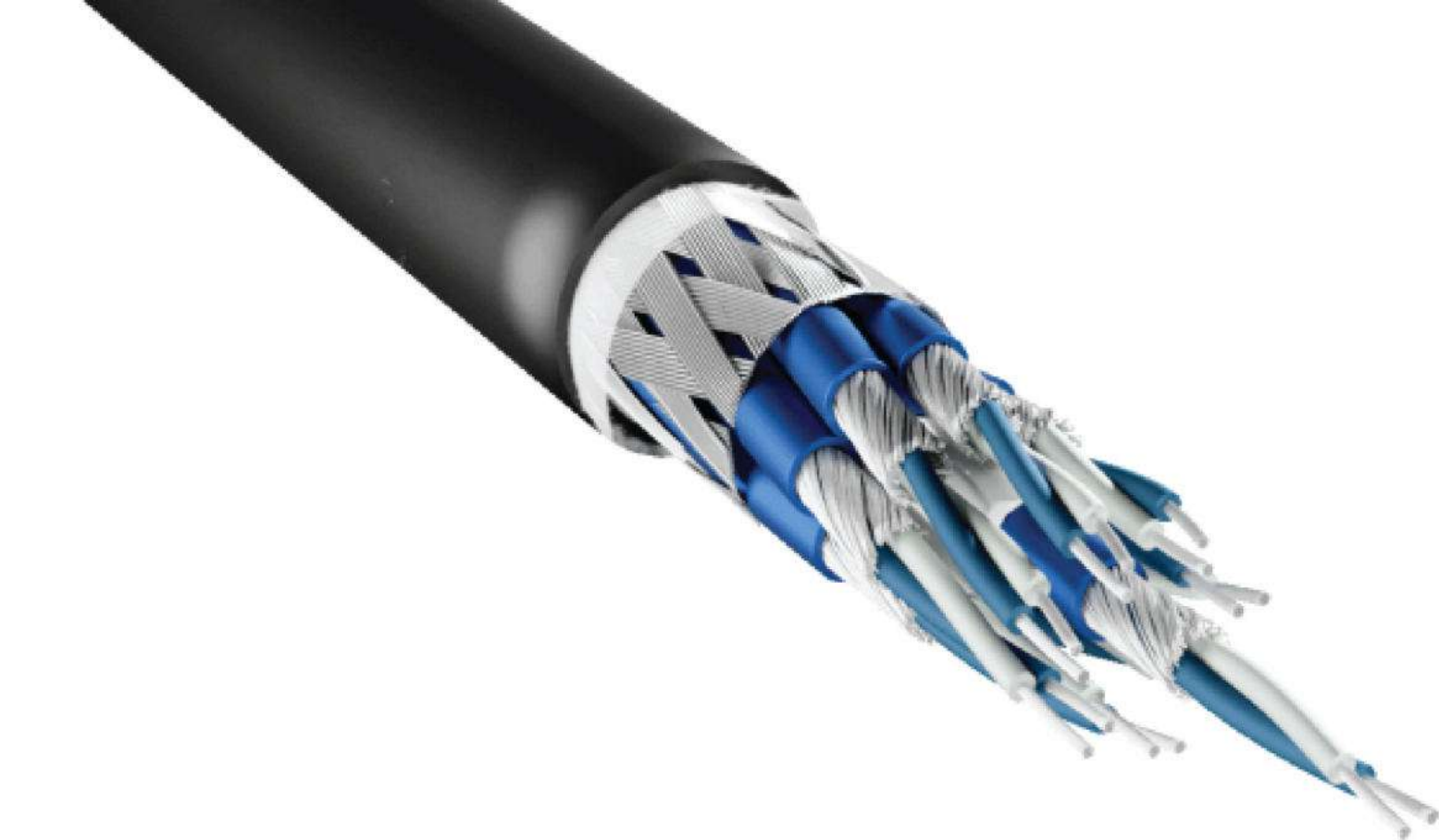
KimyaFelez Azar

Private Joint Stock Company

Magnesium Hydroxide



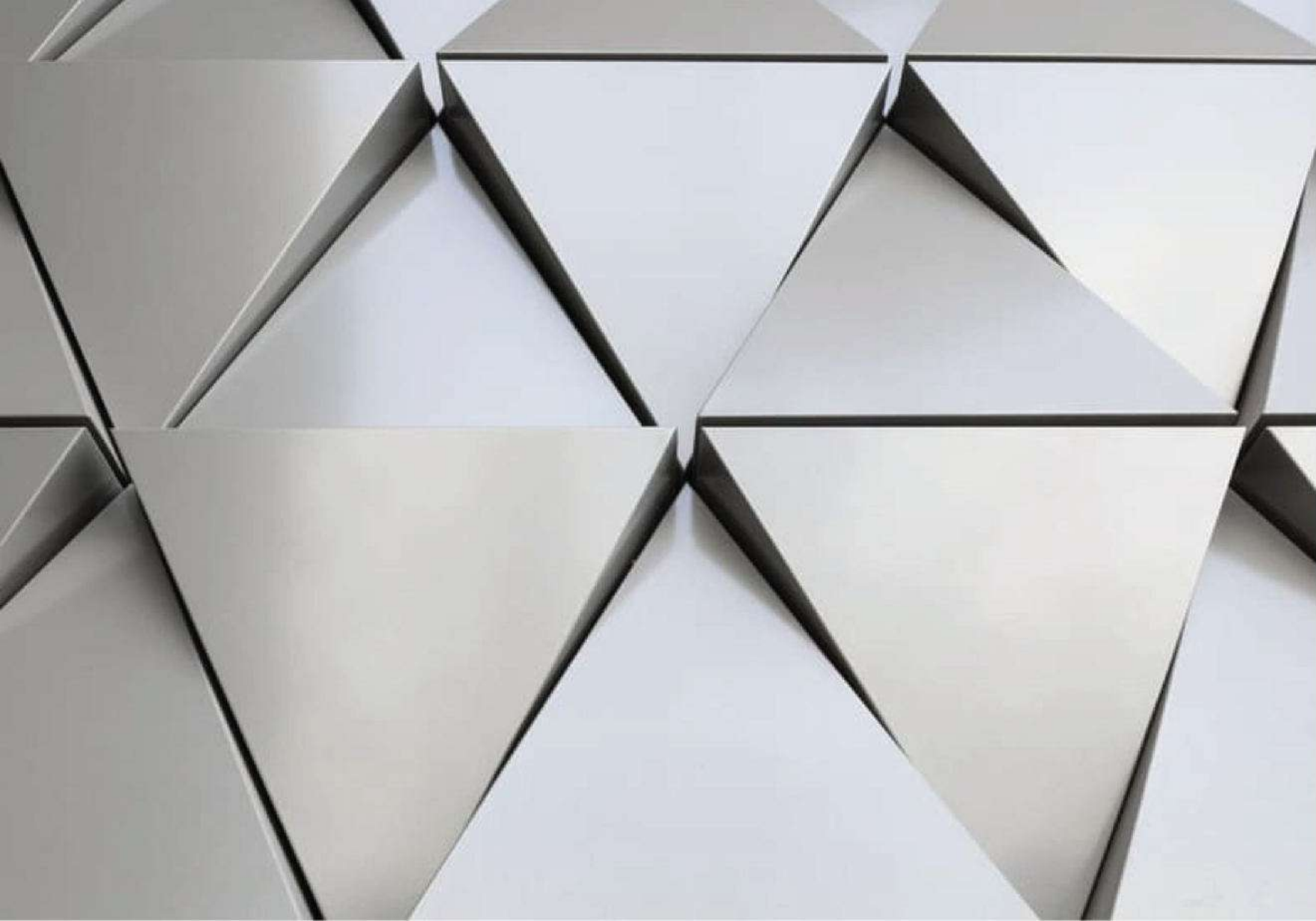
MANUFACTURER	Russian mining chemical Co.		
DESCRIPTION	A fine white powder of magnesium hydroxide. Produced from selectively mined natural magnesium hydroxide (ground brucite), by milling and classifying.		
APPLICATION	Used as flame retardant filler for polymeric materials for achieving of high oxygen index (LOI), and for ensuring of the absorption of smoke and toxic gases. Main application fields are PVC and HFFR cable compounds for jacketing and insulation layers		
CHEMICAL & PHYSICAL PROPERTIES	Indicator	Typical Value	Specification
	MgO/Mg(OH) ₂ , %	64.8/94.0	64.0/92.8 min.
	CaO, %	2.1	2.3 max.
	SiO ₂ , %	1.2	1.3 max.
	Fe ₂ O ₃ , %	0.11	0.13 max.
	Loose Bulk Density, kg/m ³	350	300 min.
	Humidity, %	0.3	0.5 max.
	Particle Size Distribution, (the median particle size is D ₅₀) μm		
	Laser granulometry	D ₅₀	3-4
	Malvern Mastersizer	D ₉₀	9-11
	Sedimentation technique (Sedigraph)	D ₅₀	1.5-2.0
	Surface Area Range, m ² /g		11-13
	Product appearance		white, fine, homogeneous powder
STORAGE	The shelf life is 4 months from date of delivery to the customer's warehouse, when stored in dry place and while maintaining the tightness of packing. After bag is opened material should be used immediately or packed hermetically.		
PACKING	Paper bags with polyethylene liner, big bags		
SECURITY	Refers to low-hazard substances; fire-and explosion-proof, non-toxic		
TRANSPORTATION	Transported by all modes of transport in accordance with the rules of transportation of goods that operates in this mode of transport		



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APPLICATION	Used as flame retardant filler for polymeric materials for achieving of high oxygen index (LOI), and for ensuring of the absorption of smoke and toxic gases. Main application fields are PVC and HFFR cable compounds for jacketing and insulation layers.		
CHEMICAL & PHYSICAL PROPERTIES	Indicator	Typical Value	Specification
	MgO/Mg(OH) ₂ , %	64.8/94.0	64.0/92.8 min.
	CaO, %	2.1	2.3 max.
	SiO ₂ , %	1.2	1.3 max.
	Fe ₂ O ₃ , %	0.11	0.13 max.
	Loose Bulk Density, kg/m ³	400	300 min.
	Humidity, %	0.3	0.5 max.
	Particle Size Distribution, (the median particle size is D ₅₀) μm		
	Laser granulometry	D ₅₀	3-4
	Malvern Mastersizer	D ₉₀	9-11
	Sedimentation technique (Sedigraph)	D ₅₀	1.5-2.0
	Surface Area Range, m ² /g		9-11
	Product appearance		white, fine, homogeneous powder
	Surface treatment by stearic acid, %		1.5
STORAGE	The shelf life is 12 months from date of delivery to the customer's warehouse, when stored in dry place and while maintaining the tightness of packing. After bag is opened material should be used immediately or packed hermetically.		
PACKING	Paper bags with polyethylene liner, big bags		
SECURITY	Refers to low-hazard substances; fire-and explosion-proof, non-toxic		
TRANSPORTATION	Transported by all modes of transport in accordance with the rules of transportation of goods that operates in this mode of transport		



MANUFACTURER	Russian mining chemical Co.		
DESCRIPTION	A fine white powder of magnesium hydroxide. Produced from selectively mined natural magnesium hydroxide (ground brucite), by milling and classifying.		
APPLICATION	Used as flame retardant filler mainly for PA, PVC and PO for achieving of high oxygen index (LOI), aging resistance and for ensuring of the absorption of smoke and toxic gases. Main application field is low halogen polyamide compounds		
CHEMICAL & PHYSICAL PROPERTIES	Indicator	Typical Value	Specification
	MgO/Mg(OH) ₂ , %	64.8/94.0	64.0/92.8 min.
	CaO, %	2.1	2.3 max.
	SiO ₂ , %	1.2	1.3 max.
	Fe ₂ O ₃ , %	0.11	0.13 max.
	Loose Bulk Density, kg/m ³	400	300 min.
	Humidity, %	0.3	0.5 max.
	Particle Size Distribution, (the median particle size is D ₅₀) μm		
	Laser granulometry	D ₅₀	3-4
	Malvern Mastersizer	D ₉₀	9-11
	Sedimentation technique (Sedigraph)	D ₅₀	1.5-2.0
	Surface Area Range, m ² /g		9-11
	Product appearance		white, fine, homogeneous powder
	Surface treatment by coupling agent (amino type silanse), %		1.0
STORAGE	The shelf life is 12 months from date of delivery to the customer's warehouse, when stored in dry place and while maintaining the tightness of packing. After bag is opened material should be used immediately or packed hermetically.		
PACKING	Paper bags with polyethylene liner, big bags		
SECURITY	Refers to low-hazard substances; fire-and explosion-proof, non-toxic		
TRANSPORTATION	Transported by all modes of transport in accordance with the rules of transportation of goods that operates in this mode of transport		



MANUFACTURER	Russian mining chemical Co.		
DESCRIPTION	A fine white powder of magnesium hydroxide. Produced from selectively mined natural magnesium hydroxide (ground brucite), by milling and classifying.		
APPLICATION	Used as flame retardant filler mainly for HFFR W&C application for achieving of high oxygen index (LOI), low water absorption and for ensuring of the absorption of smoke and toxic gases. Main application fields are PVC and HFFR cable compounds for jacketing and insulation layers.		
CHEMICAL & PHYSICAL PROPERTIES	Indicator	Typical Value	Specification
	MgO/Mg(OH) ₂ , %	64.8/94.0	64.0/92.8 min.
	CaO, %	2.1	2.3 max.
	SiO ₂ , %	1.2	1.3 max.
	Fe ₂ O ₃ , %	0.11	0.13 max.
	Loose Bulk Density, kg/m ³	400	300 min.
	Humidity, %	0.3	0.5 max.
	Particle Size Distribution, (the median particle size is D ₅₀) μm		
	Laser granulometry D ₅₀		3-4
	Malvern Mastersizer D ₉₀		9-11
	Sedimentation technique (Sedigraph) D ₅₀		1.5-2.0
	Surface Area Range, m ² /g		9-11
	Product appearance		white, fine, homogeneous powder
	Surface treatment by stearic acid, %		1.0
	Hydrophobicity, %		100
STORAGE	The shelf life is 12 months from date of delivery to the customer's warehouse, when stored in dry place and while maintaining the tightness of packing. After bag is opened material should be used immediately or packed hermetically.		
PACKING	Paper bags with polyethylene liner, big bags		
SECURITY	Refers to low-hazard substances; fire-and explosion-proof, non-toxic		
TRANSPORTATION	Transported by all modes of transport in accordance with the rules of transportation of goods that operates in this mode of transport		



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DESCRIPTION	A fine white powder of magnesium hydroxide. Produced from selectively mined natural magnesium hydroxide (ground brucite), by milling and classifying.		
APPLICATION	Used as flame retardant filler for polymeric materials for achieving of high oxygen index (LOI), and for ensuring of the absorption of smoke and toxic gases. Main application field is thermoplastic roofing membranes (TPO).		
CHEMICAL & PHYSICAL PROPERTIES	Indicator	Typical Value	Specification
	MgO/Mg(OH) ₂ , %	64.8/94.0	64.0/92.8 min.
	CaO, %	2.1	2.3 max.
	SiO ₂ , %	1.2	1.3 max.
	Fe ₂ O ₃ , %	0.11	0.13 max.
	Loose Bulk Density, kg/m ³	400	300 min.
	Humidity, %	0.3	0.5 max.
	Particle Size Distribution, (the median particle size is D ₅₀) μm		
	Laser granulometry	D ₅₀	5-6
	Malvern Mastersizer	D ₉₀	14-19
	Sedimentation technique (Sedigraph)	D ₅₀	2.0-3.0
	Surface Area Range, m ² /g		7-9
	Product appearance		white, fine, homogeneous powder
	Surface treatment by stearic acid, %		1.5
STORAGE	The shelf life is 12 months from date of delivery to the customer's warehouse, when stored in dry place and while maintaining the tightness of packing. After bag is opened material should be used immediately or packed hermetically.		
PACKING	Paper bags with polyethylene liner, big bags		
SECURITY	Refers to low-hazard substances; fire-and explosion-proof, non-toxic		
TRANSPORTATION	Transported by all modes of transport in accordance with the rules of transportation of goods that operates in this mode of transport		



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APPLICATION	Used as flame retardant filler for polymeric materials for achieving of high oxygen index (LOI), and for ensuring of the absorption of smoke and toxic gases. Main application fields are aluminum composite panels core and cable bedding layer.		
CHEMICAL & PHYSICAL PROPERTIES	Indicator	Typical Value	Specification
	MgO/Mg(OH) ₂ , %	64.8/94.0	64.0/92.8 min.
	CaO, %	2.1	2.3 max.
	SiO ₂ , %	1.2	1.3 max.
	Fe ₂ O ₃ , %	0.11	0.13 max.
	Loose Bulk Density, kg/m ³	560	500 min.
	Humidity, %	0.3	0.5 max.
	Particle Size Distribution, (the median particle size is D ₅₀) μm		
	D ₅₀		9-12
	D ₉₀		35-45
	Surface Area Range, m ² /g		6-8
	Product appearance		white, fine, homogeneous powder
STORAGE	The shelf life is 4 months from date of delivery to the customer's warehouse, when stored in dry place and while maintaining the tightness of packing. After bag is opened material should be used immediately or packed hermetically.		
PACKING	Paper bags with polyethylene liner, big bags		
SECURITY	Refers to low-hazard substances; fire-and explosion-proof, non-toxic		
TRANSPORTATION	Transported by all modes of transport in accordance with the rules of transportation of goods that operates in this mode of transport		



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