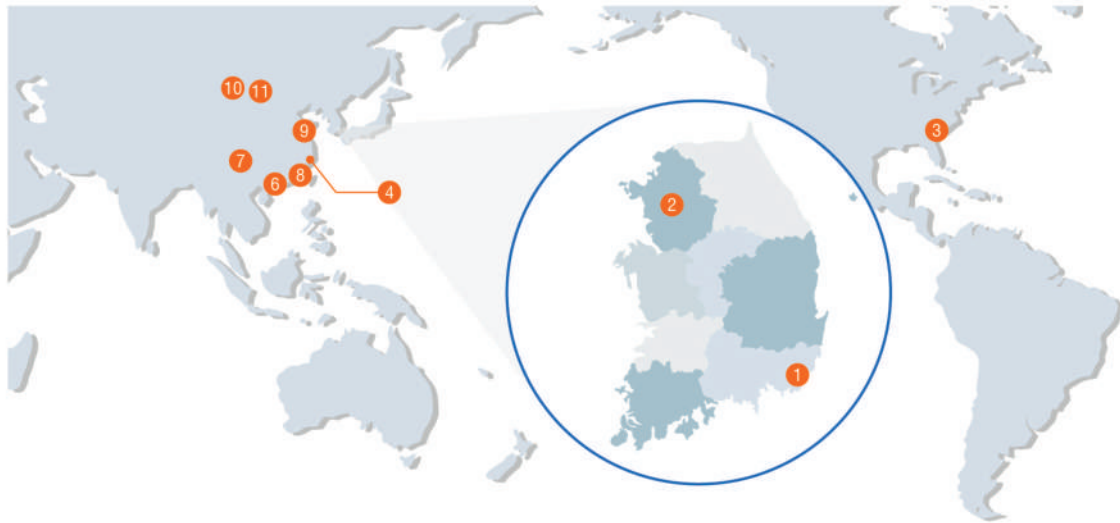




# 00 GLOBAL NETWORK



## KUM YANG CO.,LTD

### 1.Main office

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## GLOBAL NETWORKS – OFFICE

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### 4.KUMYANG CHEMICAL(SHANGHAI)CO.,LTD.

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## GLOBAL NETWORKS – PLANT

### 9.KUMYANG NEW MATERIAL (LIANYUNGANG)CO.,LTD.

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### 10.KUMYANG NEIMENGGU CHEMICAL CO.,LTD.

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### 11.HANKUM NEIMENGGU CHEMICAL CO.,LTD.

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# 01 PRODUCT INFORMATION

Chemical description	Decomposition temperature(°C)	Gas volume ml/g, in Air(STP)	Gas composition
Azodicarbonamide (AC, ACMP)	201 ~ 205	280 ~ 300 (215 ~ 225)	N <sub>2</sub> , CO, CO <sub>2</sub> etc.
4,4'-Oxybis Benzenesulfonyl (OBSh)	158 ~ 164	125 ~ 140 (120 ~ 130)	91% N <sub>2</sub> 90%H <sub>2</sub> O
P-Toluenesulfonylhydrazide (TSH)	103 ~ 107(MP) 148 ~ 154	120 ~ 130 (110 ~ 120)	N <sub>2</sub> & H <sub>2</sub> O
P-Toluenesulfonylsemicarbazide (PTSS, TSS)	229 ~ 235	150 ~ 160 (140 ~150)	N <sub>2</sub> , CO, CO <sub>2</sub> , NH <sub>3</sub>
5-Phenyl tetrazole (5PT)	234 ~ 245	80 ~ 210	N <sub>2</sub>
Sodium Bicarbonate (Kycerol)	150 ~ 190	115 ~ 125	CO <sub>2</sub> , H <sub>2</sub> O
Expandable Microsphere (CAP)	Tstart 115 ~ 125	Tmax. 175 ~ 185	Isobutane

## 02 CELLCOM SELECTION

Process technic application	Pressure Molding	Extrusion	Injection Molding	Calendering	Plastisol Process
Resin/Rubber	Gaskets, tile, footwear (insole, midsole, outsole), toys, wet suit	Sheet, film, gaskets, rods, pipe, wire, insulation, bottles, toys, weatherstrip	Housewares, precision parts, floats, shoes sandal	apparel, upholstery, component	Dish racks, footwear, toys, apparel, leather, floorcovering, wallpaper
NR Synthetic rubber	H, OBSH			H, OBSH	
CR	AC, OBSH	AC, OBSH			
EVA	AC, JTR	AC OBSH	AC, JTR		
PVC	AC	AC, KY	AC, CAP	AC	AC, OBSH, ACF, KL, CAP
HDPE	AC	AC, OBSH, HD, KY, TSS	AC, OBSH, HD, KY, TSS, CAP		
LDPE		ACMP/L, L07, ACMP/Q			
PP		AC, TSS, HD, KY	AC, TSS, HD, KY		
PS		AC, EX, TSS, HD, KY	AC, EX, TSS, HD, KY		
ABS	AC, JTR, OBSH	AC, TSS, HD, KY	AC, TSS, HD, KY		
EVA + TPR	AC, OBSH	AC, KY	AC, CAP		
EPDM	AC	AC, OBSH	AC, OBSH		
Polyamide		TSS, 5PT	TSS, 5PT		
Nylon		5PT	5PT		
Acetal		AC, TSS	AC, TSS		
Polycarbonate		5PT	5PT		
Modified PPO		TSS, 5PT	AC, TSS, 5PT		
Polyacrylic		AC	AC		
Acryl binder					CAP

## 03 HIGH PURITY ULTRA – FINE $Mg(OH)_2$

### Specification

Items	Unit	XMH-55	XMH-55.1	XMH-15	XMH-15.1	SCH-13
Mg(OH) <sub>2</sub>	%	99.00	99.00	99.00	99.00	99.00
Fe <sub>2</sub> O <sub>3</sub>	%	0.05	0.05	0.05	0.05	0.05
CaO	%	0.05	0.05	0.05	0.05	0.05
Chloride as CL	%	≤0.40	≥0.41	≤0.40	≥0.41	≥0.40
Lazer Particle Size D50μm	μm	5-6	5-6	1-2	1-2	1-3
Whiteness	%	97	97	97	97	97
LOI	%	30	30	30	30	30
H <sub>2</sub> O	%	0.5	0.5	0.5	0.5	0.5
Acid Insolubles	%	0.1	0.1	0.1	0.1	0.1
Macroscopic specks/50g(piece)		≤3	≤5	≤3	≤5	≤3

### Recommended Uses

Flame retardant filler in engineering plastics, epoxy resin, rubber, paint flame retardant filler, chemical industry building materials, mining cable sheath, cable accessories flame retardant wire and cable filling. Excellent flame retardant effect and can replace aluminum hydroxide.

## 04 CELLCOM KR-721 (Multipurpose Rutile Titanium Dioxide)

### Specification

Property	Specification
TiO <sub>2</sub> CONTENT, %	≥93
Brightness	≥95.2
Content of rutile, %	≥98
Tint-reducing power(Reynolds number)	≥1900
PH value	6.0 ~ 8.5
Oil absorption, g/100g	≤18
Specific resistance, Ω, m	≥60
Sieve residue(45 μm ), %(m/m)	≤0.02
Volatile at 105°C , %	≤0.5
Surface treatment	Zr, Al, Org

### Recommended Uses

White and color automobile coatings, coil coatings, uv-curable coatings, powder coatings, water-based coatings, high quality industrial coatings



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