



Currently, four series of Newsil® silica for rubber industry are launched on the market: Conventional Silica (CS), Environmentally Protection & Dustless Granule Silica (GRS), Easy Dispersible Silica (EDS) and Low Polymerizing & Highly Dispersible Silica (LPS & HDS).

产品系列 Product Series	传统型二氧化硅 Conventional Silica (CS)					环保无尘型二氧化硅 environmentally protection&dustless Granule Silica (GRS)					易分散型二氧化硅 Easy Dispersible Silica (EDS)			
牌 号 Type	NEWSIL® 115	NEWSIL® 125	NEWSIL® 155	NEWSIL® 175	NEWSIL® 195	NEWSIL® 115GR	NEWSIL® 125GR	NEWSIL® 155GR	NEWSIL® 175GR	NEWSIL® 195GR	NEWSIL® 125FFG	NEWSIL® 155FFG	NEWSIL® 175FFG	NEWSIL® 195FFG
外 观 Physical Form	粉 状 Powder					颗 粒 Granule					微 珠 Mirco – pearl			
氮吸附表面积 BET m ² / g	100 – 130	115 – 135	140 – 165	165 – 185	185 – 205	100 – 130	115 – 135	140 – 165	160 – 190	185 – 205	100 – 140	140 – 175	160 – 190	185 – 225
CTAB m ² / g						90 – 120	100 – 130	130 – 155	150 – 175	150 – 180	90 – 130	130 – 165	150 – 180	160 – 180
堆积密度 Bulk Density g / l	190 – 260					250 – 340					240 – 300			
二氧化硅含量（干品） Silica(dry basis) %	≥ 90													
加热减量 Drying Loss %	4.0 – 8.0													
灼烧热量（干品） Ignition Loss(dry basis) %	≤ 7.0													
PH（5%的水溶液） PH(5%aqueous solution)	6.0 – 7.5													
邻苯二甲酸二丁酯吸收值 DBP cm ³ / 100g	200 – 300										200 – 300			
45um筛余物 Sieve Residue 45um %	≤ 0.5													
Cu mg / kg	≤ 10													
Mn mg / kg	≤ 50													
Fe mg / kg	≤ 500													
可溶性解离盐（以Na ₂ SO ₄ 计） Soluble Salts (in forms of Na ₂ SO ₄) %	≤ 2.0													
测试方法 Test Methods	HG / T3062 HG / T3064 HG / T3065 HG / T3066 HG / T3067 HG / T3068 HG / T3069 HG / T3070 HG / T3072 GB / T23656 HG / T3748													

A close-up photograph of a white, spiral-shaped object, possibly a piece of candy or a decorative swirl, set against a dark background. The spiral is composed of many fine, concentric layers, creating a textured, almost crystalline appearance. The lighting highlights the edges of the spiral, emphasizing its three-dimensional form.

Through lean production and technology innovation, Low Polymerizing & Highly Dispersible Silica (LPS & HDS) was developed independently for green tire, it could significantly reduce rolling resistance, so as to decrease fuel consumption, and improve wet traction, so as to strengthen driving safety.

产品系列 Product Series	低聚高分散型二氧化硅 Low Polymerizing & Highly Dispersible Silica (LPS & HDS)									
牌 号 Type	NEWSIL [®] HD90MP	NEWSIL [®] HD115MP	NEWSIL [®] HD165MP	NEWSIL [®] HD175MP	NEWSIL [®] HD200MP	NEWSIL [®] HD250MP	NEWSIL [®] HD90GR	NEWSIL [®] HD115GR	NEWSIL [®] HD165GR	NEWSIL [®] HD200GR
外 观 Physical Form	微 珠 Mirco – pearl						颗 粒 Granule			
氮吸附表面积 BET m ² / g	80 – 110	100 – 130	150 – 180	160 – 190	190 – 230	220 – 270	80 – 110	100 – 130	150 – 180	190 – 230
CTAB m ² / g	75 – 100	95 – 125	145 – 175	155 – 185	185 – 225	200 – 260	75 – 100	95 – 125	145 – 175	185 – 225
堆积密度 Bulk Density g / l	240 – 300						250 – 320			
二氧化硅含量（干品） Silica(dry basis) %	≥ 90									
加热减量 Drying Loss %	4.0 – 8.0									
灼烧热量（干品） Ignition Loss(dry basis) %	≤ 7.0									
PH（5%的水溶液） PH(5%aqueous solution)	6.0 – 7.5									
邻苯二甲酸二丁酯吸收值 DBP cm ³ / 100g	200 – 300									
45um筛余物 Sieve Residue 45um %	≤ 0.5									
Cu mg / kg	≤ 10									
Mn mg / kg	≤ 50									
Fe mg / kg	≤ 500									
可溶性解离盐（以Na ₂ SO ₄ 计） Soluble Salts (in forms of Na ₂ SO ₄) %	≤ 2.0									
测试方法 Test Methods	HG / T3062 HG / T3064 HG / T3065 HG / T3066 HG / T3067 HG / T3068 HG / T3069 HG / T3070 HG / T3072 GB / T23656 HG / T3748									