



Technical Data Sheet of All weather beads

Brand name: AOLAN®

Product: All weather beads

Application: Road marking

		Normal Glass beads	AWW Series All weather beads			AWY Series All weather beads		
			AW W	AWW D	AWW M	AW Y	AWW D	AWW M
1	Appearance	Clear spherical shape	White round spherical shape			Yellow round spherical shape		
2	Specific Gravity	2.4-2.5g/cm ³	2.5-2.7g/cm ³			2.5-2.7g/cm ³		
4	Refractive Index	1.5-1.52	1.9-2.4			1.9-2.4		
5	Chemical Composition	SiO ₂ Al ₂ O ₃ K ₂ O Na ₂ O	TiO ₂ BaO SiO ₂ ZrO ₂			TiO ₂ BaO SiO ₂ ZrO ₂		
6	Consumption /m ²	300-400 gram	150-300 gram			150-300 gram		
7	Distance of refractive	≤60m	≥100m			≥100m		
8	Retroreflective in good weather(mcd /lux/m ²)	White 150-180 Yellow 100-125	≥350	≥450	≥200	≥250	≥300	≥150
9	Retroreflective in wet weather(mcd /lux/m ²)	≤50mcd	≥350	≥80	≥400	≥200	≥50	≥250
10	Retroreflective in Heavy rain weather(mcd /lux/m ²)	none	≥100	≥50	≥150	≥80	≥30	≥100
11	Color of reflected light	White	Silvery white			Golden		