



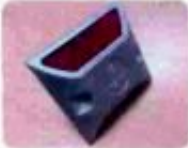



Reda National Co.

For Road Paint & Highway Safety



10 x 10 CMS REDA ALUMINIUM ROAD STUDS WITH PRISMATIC REFLECTORS

TECHNICAL SPECIFICATIONS		
Aluminium Road Studs	10 x 10 Cm	
Size	10 cm x 10 cm x 2.20 cm (H)	
Weight	337 gms	
Shaft Design	Anti-Twist - 65 mm long	
Body Material	Aluminium Alloy LM 6 or LM 24, Single Casting with Integral Shaft Highly Impact Resistant.	
ALUMINIUM ALLOY - CHEMICAL COMPOSITION		
Composition	LM6	LM 24
Copper (Cu)	0.10	3-4
Iron (Fe)	0.60	0-1.30
Silicon (Si)	12.00	7.5-9.5
Magnesium (Mg)	0.10	0.30
Zinc (Zn)	0.10	0-3.0
Tin (Sn)	0.05	0.20
Titanium (Ti)	0.15	0.20
Aluminium (Al)	Remainder	(After others max 0.15)
		
GENERAL & PHYSICAL PROPERTIES		
	LM6	LM24
Specific Gravity	2.60	2.71
Melting Point	580°C	520-580°
Modulus Elasticity	7600 KG/SQ.M..	-
Maximum Fusion Temperature	780	-
Brinnel Hardness	55-60	50-85
Corrosion Rating	EXCELLENT	EXCELLENT
		
MECHANICAL PROPERTIES		
	LM6	LM24
0.2 Proof Stress N/mm ²	120	100-150
Tensile Strength (N/mm ² (Mpa)	275 - 285	170-320
Elongation - mm	2-5	1-5
PRISMATIC REFLECTOR		
Reflector is prismatic cube corner High Intensity reflectors meeting USA Standard ASTM D4280-04		
Reflective Area	21 Sq.cm Each Face	
Specific Intensity Value mcd/lx	0.20 ° observation angle.	
a. White	0 ° Entrance Angle	279
	± 20 ° Entrance Angle	112
b. Yellow	0.6 times value of White	
c. Red	0.25 times value of White	
d. Blue	0.10 times value of White	
		
Reflectors are self cleaning type, fully protected in Aluminium Casting in the front to minimise damage caused by Vehicle Tyres. Rear side protected firmly with a highly adherent compound.		
TROPICAL GRADE BITUMINOUS GROUTING COMPOUND		
Density	1.80 gms/cc	
Filler Content	72 - 75%	
Anti - Twist Torque	150 n/sq.mm	
Flash Point	220 ° C	
Softening Point	110 - 130 ° C	
Pouring Temperature	160 - 180 ° C	
Penetration @ 25 ° C	5 - 15	
		

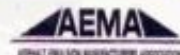
MEMBER



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