




# Reda National Co.

## SPECIFICATION

<b>Prismatic Studs</b>		
Size(cm)	10 x 10 x 2.20	
Weight	337gms	
Shaft Design	Anti-Twist – 65 mm long	
Body Material	Aluminum Alloy LM 6 or LM 24, Single Casting with Integral Shaft Highly Impact Resistant	
Aluminum Alloy - Chemical Composition	LM 6	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
Aluminum (Al)	Remainder	(After others max 0.15)
<b>General &amp; Physical Properties</b>	LM 6	LM 24
Specific Gravity	2.60	2.71
Melting Point	580°C	520-580°
Modulus Elasticity	7600 KG/SQ.M..	-
Maximum Fusion Temperature	780	-
Brinnell Hardness	55-60	50-85
Corrosion Rating	Excellent	Excellent
<b>Mechanical Properties</b>	LM 6	LM 24
0.2 Proof Stress N/mm2	120	100-150
Tensile Strength (N/mm2 (Mpa)	275-285	170-320
Elongation - mm	2-5	1-5
<b>Prismatic Reflector</b>	Reflector is prismatic cube corner High Intensity reflectors	
Reflective Area	21 Sq.cm Each Face	
Specific Intensity Value mcd/lx	0.20 o observation angle.	
a. White	0 o Entrance Angle 279 ± 20 o Entrance Angle 112	
b. Yellow	6 times value of White	
b. Red	0.25 times value of White	
b. Blue	0.10 times value of White	
Reflectors are self cleaning type, fully protected in Aluminum Casting in the front to minimize damage caused by Vehicle Tyres. Rear side protected firmly with a highly adherent compound.		

### REDA NATIONAL CO.

FOR ROAD PAINT & HIGHWAY SAFETY

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