

MAGNI 556

MAGNI 556 FASTENER COATING



Magni 556 is a chrome-free, duplex-coating fastener system that combines an inorganic zinc-rich basecoat with an organic aluminum-rich topcoat that can be friction modified to meet various OEM standards. The inorganic basecoat system is developed for superior heat-resistant corrosion performance and consistent in-process material stability. The organic topcoat is engineered to provide outstanding adhesion, heated-loosening, and chemical resistance qualities. Magni 556 can be applied using dip-spin or spray. In dip-spin applications, Magni 556 is applied in three layers (two layers basecoat). Magni 556 is used in the most corrosive automotive environments.

PERFORMANCE DATA*:

Coating thickness	15 microns Avg.
Coefficient of friction	
PS-11036 Nm@42.3kN:	54-81
Color	Silver; blue
Cyclic corrosion resistance	See OEM specifications
Heated loosening	VDA 235-203 > 0.06
Salt spray	
ASTM B117:	1,500 hours
ISO 16047 (using Zn electroplate test nut/washer)	0.15 ± 0.03

OEM SPECIFICATIONS:

ASTM	A490, A325, F3125
Caterpillar	1E1675G
FCA	PS-11036 (Type 3)



*Typical Values – refer to OEM Specifications and Magni Application Guidelines for official specifications