

## AK Steel SAE J1392 050 XLK, Grade 50 Aluminized Carbon Steel, High Strength Low Alloy Steel (HSLAS)

Category : Metal , Ferrous Metal , Carbon Steel , Low Carbon Steel

**Material Notes:**

Aluminized Type 1 coating contains approximately 91% aluminum and 9% silicon that is metallurgically bonded to the low-carbon steel substrate. Information provided by AK Steel

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_AK-Steel-SAE-J1392-050-XLK-Grade-50-Aluminized-Carbon-Steel-High-Strength-Low-Alloy-Steel-HSLAS.php](http://www.lookpolymers.com/polymer_AK-Steel-SAE-J1392-050-XLK-Grade-50-Aluminized-Carbon-Steel-High-Strength-Low-Alloy-Steel-HSLAS.php)

Physical Properties	Metric	English	Comments
Density	7.85 g/cc	0.284 lb/in <sup>3</sup>	Typical Carbon Steel

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 415 MPa	>= 60200 psi	
Tensile Strength, Yield	>= 340 MPa	>= 49300 psi	
Elongation at Break	>= 20 %	>= 20 %	
Modulus of Elasticity	201 GPa	29200 ksi	
	88.3 GPa	12800 ksi	
	@Temperature 649 °C	@Temperature 1200 °F	
	183 GPa	26500 ksi	
	@Temperature 316 °C	@Temperature 600 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	>= 677 °C	>= 1250 °F	

### Contact Songhan Plastic Technology Co.,Ltd.

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