

## Technical specification

Material:	High Carbon Cast-steel	Shot S-70
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### Chemical Composition (According to SAE J827 - High-Carbon Cast-Steel Shot)

	Carbon C	Manganese Mn	Silicon Si	Phosphorus P	Sulfur S
Specification (%):	0.80 - 1.20	0.60 - 1.20	Min 0.40	Max. 0.050	

### Hardness (According to SAE J827 - High-Carbon Cast-Steel Shot)

Specification:	The hardness of 90% of all shot particles shall be within the range of 40 to 51 HRC.
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### Granulometry (According to J444 - Cast Shot and Grit Size Specifications for Peening and Cleaning)

Mesh (#):	40	45	80	120
sieve (mm)	0.42	0.35	0.18	0.12
Specification:	0%	Max. 10%	Min. 80%	Min. 90%

### Density (According to SAE J827 - High-Carbon Cast-Steel Shot)

Specification (g/cm³):	Min. 7.00
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### Macrostructure (According to SAE J827 - High-Carbon Cast-Steel Shot)

	Void	Shrinkage	Crack	Misshapen
Specification:	Max. 10%	Max. 10%	Max. 15%	Max. 5%

### Microstructure (According to SAE J827 - High-Carbon Cast-Steel Shot)

Specification:	Tempered Martensite
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### Nonmagnetic Material (According to SAE J827 - High-Carbon Cast-Steel Shot)

Specification:	Maximum non magnetic material 1%
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Technical specification in accordance with:

- SAE J444 - Cast Shot and Grit Size Specifications for Peening and Cleaning
- SAE J827 - High-Carbon Cast-Steel Shot
- ISO 11124 Part 3—High-carbon cast-steel shot and grit