

METALTEC Cast Steel Shot Specifications

<p>CHEMICAL ANALYSIS</p> <p>(SAE J-2175)</p> <p>Carbon .10 - .15%</p> <p>Manganese 1.20 - 1.50%</p> <p>Silicon .10 - .25%</p> <p>Sulphur .035% MAX</p> <p>Phosphorous .035% MAX</p>	<p>DENSITY</p> <p>Cast steel shot shall not weigh less than 7 grams per cc nor contain more than 10% hollows. The method by which one determines density may be a displacement method or an actual count of the hollows in a mounted polished specimen.</p>	<p>BLENDS</p> <p>Special blends of two or more sizes of Metaltec cast steel shot are available at no extra charge. Pre-blended operating mixes for new equipment installations are also available at no extra charge.</p>	
<p>BAINITE MICROSTRUCTURE</p> <p>Intermediate structure (Bainite), a mechanical mixture of Ferrite and Cementite particles. Random feather-like appearance (upper Bainite) and Accicular (lower Bainite) with little or no free carbon particles.</p>	<p>GENERAL APPEARANCE</p> <p>The cast steel shot shall be as nearly spherical as is commercially possible with a minimum of elongated or compound particles, tails, hollows, broken pieces, slag and dirt.</p>	<p>SAE SHOT SIZE (J-444)</p>	<p>APPROXIMATE PELLETS PER POUND</p>
<p>HARDNESS</p> <p>Ninety percent of the hardness checks performed on a representative sample shall fall within the range of Rockwell C 40 - 50. The hardness may be determined by any of the various methods applicable to small sections, such as a tukon tester with a Vickers indenter, at loads determined to provide a reliable conversion to Rockwell C.</p>	<p>PACKAGING</p> <p>Standard forms of packaging are: 2000-lb. drums, banded and palletized, and 50-lb. bags, boxed, banded, and palletized. Other special packaging available at extra cost.</p>	S780	17,000
		S660	20,000
		S550	32,000
		S460	55,000
		S390	93,000
		S330	153,000
		S280	250,000
		S230	420,000
		S170	1,200,000
		S110	3,400,000
		S70	17,000,000

**Test After Test, METALTEC Shot
Blasts the Competition Away!**

