



**Metaltec
Steel
Abrasive Co.**
Premium BAINITE
Steel Shot

SPECIFICATION SHEET

S-550

CHEMISTRY	Carbon: 0.10 to 0.15% Silicon: 0.10 to 0.25% Manganese: 1.20 to 1.50% Aluminum: 0.05 to 0.15% Phosphorus: 0.035% max. Sulfur: 0.035% max.	SAE J2175															
SCREENING	<table border="1"> <thead> <tr> <th>Sieve</th> <th>Opening</th> <th>Specification</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.0787</td> <td>A/P</td> </tr> <tr> <td>12</td> <td>0.0661</td> <td></td> </tr> <tr> <td>14</td> <td>0.0555</td> <td>85% min.</td> </tr> <tr> <td>16</td> <td>0.0469</td> <td>97% min.</td> </tr> </tbody> </table>	Sieve	Opening	Specification	10	0.0787	A/P	12	0.0661		14	0.0555	85% min.	16	0.0469	97% min.	SAE J444
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10	0.0787	A/P															
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14	0.0555	85% min.															
16	0.0469	97% min.															
HARDNESS	40 - 50 Rc, typical 44.5%	SAE J2175															
% ROUNDS	< 5% non-spherical (length > 2 x width), typical < 3%	SAE J2175															
% VOIDS AND HOLLOWES	< 10% voids and hollows, typical < 2%	SAE J2175															
NON-MAGNETIC MATERIAL	< 1% non-magnetic material, typical <0.5%	SAE J2175															
DENSITY	> 7 g/cc (wet method)	SAE J2175															
DURABILITY	> 3000 passes (Ervin Test), typical 3300	METALTEC															
PACKAGING	50 lb. bags, 2000 lb. drums, 2000 - 4000 lb. hoppers, bulk dump truck, other custom packaging available upon request.																

All abrasives supplied by Metaltec Steel Abrasive are proudly produced, processed and packaged by the teams at Metaltec's Canton, Michigan plant. Quality system registered to ISO 9001:2000 standard.

Metaltec Steel Abrasive Company
41155 Joy Road
Canton, MI 48187
(734) 459-7900 phone
(734) 459-7907 fax