

Cast steel sand



Cast Steel Shot:

Steel grit is angular, also known as rounded steel grit. It is made of large-scale steel shot 930/780/660. The steel grit has three hardness, which are used in different places, including GH without tempering, GH60-65±2 silvery white, GP tempering 40-50 2, black bright color hardness and GL secondary tempering 50-55 2 light blue.

Technical indicators

Name	Cast steel sand (steel shot)	
chemical composition	C	0.70-1.20%
	Mn	0.35-1.20%
	Si	0.40-1.20%
	S	≤0.05%
	P	≤0.05%
Average hardness (Measured under 500g load.)	GP steel grit: 40-50HRC (399-509HV) GL steel grit: 52-60HRC (620-713HV) GL steel grit: 63-66HRC (759-889HV)	
Hardness deviation	The maximum deviation range is ±3.0HRC ±40HV	
Metallurgical structure	Uniform tempered martensite or tempered troostite+dispersed carbide.	
Minimum density (Determination by alcohol replacement method)	7.4g/cm ³	