

STEEL SHOT

TRADE NAME

STEEL SHOT

DESCRIPTION

Steel Shot is a fully heat-treated spherical product of hyper-eutectoid steel. It has a uniform structure of finely tempered martensite to provide optimum resilience and resistance to fatigue. The microstructure of steel shot is uniform martensite, tempered to a degree consistent with the hardness range, with fine, well distributed carbides, if any.

FUNCTION

Typical applications include: preparation of metal surfaces prior to subsequent coating, removal of sand from castings, descaling of steel strips, bars, pipes, shot peening, etc. Industry users include: foundries, automotive, aviation, blast/paint contractors, pipeline manufacturers, steel fabricators.

CHEMICAL ANALYSIS

Iron (Fe)	>96%
Carbon (C)	0.8 – 1.2%
Silicon (Si)	0.3 – 1.2%
Manganese (Mn)	0.5 – 1.3%
Phosphorus (P)	< 0.04%
Sulphur (S)	<0.04%

TECHNICAL DATA

Hardness	40 – 50 Rc
Specific weight	≥ 7.3 g/cm ³
Bulk weight	4.164 kg/L
Particle shape	Roundr
Storage	Dry, sheltered conditions
Packaging	25Kg bags, 1 ton pallet

SIEVING RANGE

CODE	SIZE RANGE (micron)	PROFILE RANGE (micron)
S110	180 -500	20 – 40
S170	335 - 710	30 – 60
S230	500 - 840	40 – 80
S280	600 - 1000	50 – 100
S330	710 - 1180	60 – 120
S390	840 -1400	80 – 160