

## BY PRODUCT & SECONDARY PRODUCT

Rashmi Group specializes in manufacturing DUCTILE IRON SPUN PIPE for Water and Sewerage for Infrastructure Projects. STEEL, CEMENT and POWER are the other areas where the company has interest. Rashmi Metaliks is an ISO 9001:2015 certified company and we manufacture Ductile Pipe confirming to ISO 2531 and EN545. The company is based at Kharagpur in the Eastern State of India, West Bengal. Rashmi Group Company having an annual group turnover of over 1 Billion US Dollar.

In the process of manufacturing Ductile Iron Pipes, we generate 10000 tons of SG Iron By Products/Secondary Products monthly. These products are slag free and can be compared to foundry grade pig iron. Attaching here are the images of the scrap which are generated at our plant along with chemical composition.

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# RASHMI METALIKS LIMITED

# RUNNER STRIPS

Runner Strips is a By Product generated while feeding the Centrifugal Casting Machine. These strips comes in length of 12'- 15' long and are generally 1' wide.

## CRUSHED PIPES



## AS CAST

Casting Rejections - This material is brittle and soft in nature. Casting rejections doesn't have any kind of slag or impurities making it as good as foundry grade PIG IRON. These can be given into any size required.

CHEMICAL COMPOSITION	%age	
	SAMPLE 1	SAMPLE 2
CARBON	3.90	3.88
SILICON	1.76	1.75
MAGNESIUM	0.018	0.0185
PHOSPORUS	0.11	0.104
TITANIUM	0.07	0.08
MANGANESE	0.245	0.246
SULPHUR	0.002	0.003

CHEMICAL COMPOSITION	%age	
	SAMPLE 1	SAMPLE 2
CARBON	3.79	3.80
SILICON	1.55	1.60
MAGNESIUM	0.025	0.026
PHOSPORUS	0.109	0.110
TITANIUM	0.082	0.083
MANGANESE	0.243	0.243
SULPHUR	0.005	0.005

Unlike casting Rejections crushed pipes are very hard in nature as they are annealed in the furnace. Full length pipes are cut into pieces to enable easy remelting. These materials are used widely in the foundries.

CHEMICAL COMPOSITION	%age	
	SAMPLE 1	SAMPLE 2
CARBON	3.51	3.50
SILICON	1.83	1.81
MAGNESIUM	0.0274	0.0275
PHOSPORUS	0.085	0.085
TITANIUM	0.09	0.09
MANGANESE	0.165	0.165
SULPHUR	0.0039	0.0039

