



DUCTILE IRON - PROPERTIES

Ductile cast iron is a material with substantially improved mechanical properties of cast iron. Its minimum elongation of 10% before failure offers adequate strength to bear traffic and top load without being brittle.

DI pipes are very robust, can withstand mechanical stress and physical abuse, can be laid in unfavorable terrain and operating conditions and work without failure offering a very long service life.

Properties	Ductile Iron Pipes
Tensile strength	Min. 420 Mpa
Elongation	Min. 10%
Modulus of Elasticity	1.7×10^{10} kg/m ²
Hardness	Max. 230 BHN
Density	7050 kg/m ³
Bending/Beam Strength	Over 200 Mpa
Bursting strength (min)	Factor of Safety against bursting is 8 to 10