

Ductile Iron Casting, China Ductile Iron Casting, Ductile Iron Casting Manufacturers

Ductile iron casting has found wide acceptance and competes favourably with steel such that its use in engineering has increased in recent times as white grey cast iron and malleable cast iron has fallen in popularity as other materials such as plastics have found favour.

Ductile iron casting has a clear advantage over malleable iron for applications where low solidification shrinkage is needed or where the section is too thick to permit uniform solidification as white iron

EQUIVALENT STANDARDS							TECHNICAL SPECIFICATIONS				
EN 1563	Germany	France	England	Netherlands	Sweden	USA	Hardness	Tensile	0,2 Proof	Elonga	Machinability
	DIN 1693	NF	BS	NEN	MNC	ASTM A536		Strength	Stress	tion	
EN-GJS-400-18-LT	GGG-40.3		-	-	-	60-40-18	HB 30	Rm N/mm²	Rp0,2 N/mm²	A5 %	very good
EN-GJS-400-15	GGG-40	FGS 400-12	420/12	GN 42	0717-02	60-40-18	135-185	400-550	250-350	27-15	very good
EN-GJS-450-10	-	-	420/12	-	-	65-45-12	160-210	450-600	310-410	20-10	good
EN-GJS-500-7	GGG-50	FGS 500-7	500/7	GN 50	0727-02	65-45-12/ 80-55-06	170-220	500-650	320-420	18-7	good
EN-GJS-600-3	GGG-60	FGS 600-3	600/3	GN 60	0732-03	80-55-06	200-250	600-750	370-480	8-3	good
EN-GJS-700-2	GGG-70	FGS 700-2	700/2	GN 70	0737-01	100-70-03	235-285	700-850	420-600	6-2	moderate
EN-GJS-800-2	GGG-80	FGS 800-2	800/2	-	-	120-90-02	270-335	800-1000	480-750	4-2	moderate