

cast-iron



BERNAREGGI

since 1976



Tensile properties of continuous cast spheroidal graphite - cast-iron bars

Material designation	Brinell hardness range	Bar diameter	0,2% proof strength	Tensile strength	Elongati on the after fracture	Matrix structure
Grades	HBW*	<i>D</i> mm	$R_{p0,2}$ MPa - min.	R_m MPa - min.	<i>A</i> % - min.	
EN-GJS-350C-22C-LT/RT/C	less than 170	20 - 400	200 - 220	230 - 350	15 - 22	ferritic
EN-GJS-400-18C-LT	120 to 180	20 - 400	220 - 240	360 - 400	12 - 18	ferritic
EN-GJS-400-18C/RT	120 to 180	20 - 400	240 - 250	370 - 400	12 - 18	ferritic
EN-GJS-400-15C	120 to 180	20 - 400	240 - 250	370 - 400	11 - 15	ferritic
EN-GJS-400-7C	140 to 210	20 - 400	240 - 250	370 - 400	7 - 11	ferritic-pearlitic
EN-GJS-450-18C	170 to 200	20 - 400	340 - 350	430 - 450	14 - 18	ferritic
EN-GJS-450-10C	160 to 210	20 - 400	310	450	10	predominantly ferritic
EN-GJS-500-14C	180 to 210	20 - 400	360 - 400	470 - 500	10 - 14	ferritic
EN-GJS-500-7C	170 to 240	20 - 400	290 - 320	420 - 500	5 - 7	ferritic-pearlitic
EN-GJS-600-3C	200 to 290	20 - 400	340 - 370	550 - 500	1 - 3	pearlitic-ferritic
EN-GJS-700-2C	210 to 305	20 - 400	380 - 420	650 - 700	1 - 2	predominantly ferritic

*HBW indicative values

Reference standard: DS/EN 16482

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