

MEEHANITE CASTINGS : PROPERTIES

Type	Tensile Strength	Yield Strength	Young's Modulus	BHN
	N/mm ²			
HEAT RESISTING				
HR (Carbide / Pearlitic)	280	-	147000	>300
HS (Nodular graphite / Ferritic)	420 - 700	310 - 520	160000	200
HSV (Nodular graphite / Pearlitic)	700 - 840	-	35 to 56 x 10 ⁴	200
HE (Flake graphite / Pearlitic)	170	-	70000	170
WEAR RESISTING				
W1 (Carbide / Pearlitic)	350 - 420	-	-	500 - 600
W2 (Carbide / Martensitic)	350 - 420	-	-	500 - 600
W4 (Carbide / Austenitic)	420 - 560	-	-	400 - 700
WSH (Nodular graphite / Austenitic)	700	520	168000	350 - 500
CORROSION RESISTING				
CC (Flake graphite / Pearlitic)	280	-	-	200
CR (Flake graphite / Ni Austenite)	170	-	-	130 - 180
CRS (Nodular graphite / Ni Austenite)	380	210	-	140 - 200
GENERAL				
GM 60 (Flake graphite / Sorbo Pearlitic)	380	170	150000	>230
GA 50 (Flake graphite / Pearlitic)	350	140	140000	>220
GC 40 (Flake graphite / Pearlitic)	280	90	115000	160
GE 30 (Flake graphite / Pearlitic)	210	70	90000	180
GF 20 (Flake graphite / Pearlitic Ferritic)	140	60	63000	160
AQ (Flake graphite / Pearlitic Bainitic)	350	-	-	280
SF 60 (Nodular graphite / Ferritic)	420	310	160000	160
SP 80 (Nodular graphite / Pearlitic / Ferritic)	560 - 700	500	175000	200
SH 100 (Nodular graphite / Pearlitic)	630	450	165000	240
AQS (Nodular graphite / Pearlitic Bainitic)	560 - 1260	500 - 950	-	225 - 500