

# Material Range

## Spheroidal Graphite (Ductile) Cast Iron in Compliance with DIN Standards

Material	Material number	Values in the separately cast test bar				Significant wall thickness in the casting mm	Thickness in the cast sample mm	Tensile strength N/mm <sup>2</sup>	Yield strength (0,2 %-point) N/mm <sup>2</sup>	Elongation %
		Tensile strength N/mm <sup>2</sup>	Yield strength N/mm <sup>2</sup>	Elongation %	Brinell hardness HB30					
GGG-40 EN-GJS-400-15	0.7040 EN-JS1030	400	250	15	140-190	30-60	40	390	250	17
						60-200	70	370	240	14
GGG-50 EN-GJS-500-7	0.7050 EN-JS1050	500	320	8	140-190	30-60	40	450	300	8
						60-200	70	420	290	6
GGG-60 EN-GJS-600-3	0.7060 EN-JS1060	600	380	4	200-250	30-60	40	600	360	3
						60-200	70	550	340	2
GGG-70 EN-GJS-700-2	0.7070 EN-JS1070	500	320	8	140-190	30-60	40	700	400	3
						60-200	70	650	380	2

Material	Material number	Wall thickness in the casting		Expected values in the casting		
		starting at mm	up to mm	Tensile strength Rm N/mm <sup>2</sup>	Yield strength (0,2%-point) N/mm <sup>2</sup>	Elongation %
GGG-40 EN-GJS-400-15	0.7040 EN-JS1030	50	80	380	240	15
		80	120	370	230	12
GGG-50 EN-GJS-500-7	0.7050 EN-JS1050	50	80	450	300	7
		80	120	440	290	6
GGG-60 EN-GJS-600-3	0.7060 EN-JS1060	50	80	520	340	2
		80	120	470	320	1
GGG-70 EN-GJS-700-2	0.7070 EN-JS1070	50	80	600	380	1
		80	120	570	370	1