

Graphite - Technical data and recommended uses

Name	type	Average Particle Size (D50 Laser diffraction) micron	Bulk density g/l	Properties													thermo plastics polymers	thermo setting polymers	Battery	Coating	shielding material (insulating materials)	Hot metal forming process
				Thermal conductive	Electrical conductive	Lubricating effect	Corrosion protection	Reinforcement of plastic	Electrical isolation	Oxidation resistance	Temperature resistance	Infrared absorber	Flame retardant	water/solvent high dispersibility								
GRAFITE NA/MC1	delaminated natural graphite	12-15	320	●	●	●	●	●							●	●	●	●				
WHITE MC6P1	Hexagonal boron nitride	15	2,25 g/cm ²	●		●			●	●	●				●	●		●				
WHITE LF050	Hexagonal boron nitride	0,5		●		●			●													
WHITE HZ5	Hexagonal boron nitride	5		●		●			●													
WHITE HZ050	Hexagonal boron nitride	0,5		●		●			●													
GRAFITE NA/ML1	ground natural graphite	4-6	250	●		●		●				●			●	●		●	●			
GRAFITE NA/ML2	fine grinded natural graphite	1-2	160	●		●		●				●		●	●	●		●		●		
CARBOLUBE 1D	graphite water dispersion (30%)	< 5	1,15 g/cc			●								●				●		●		
CARBOLUBE 2D	graphite water dispersion (45%)	< 3	1,2 g/cc			●								●				●		●		
GRAFITE F/ML4G	functionalised natural graphite	4-6	370	●		●		●						●	●	●		●				
GRAFITE E/MP1	expandable graphite													●				●				
GRAFITE NA/SF	spherical natural graphite	38-45	950														●					