

## Density of Plastics

Density is calculated by dividing the mass of the material by the volume and is normally expressed in g/cm<sup>3</sup>.

Specific Gravity (SG) is defined as the ratio of density of the material to the density of water (1 g/cm<sup>3</sup>) at a specified temperature.

A Specific Gravity of less than 1 means that the material will float in water.

PTFE Tetron B	g/cm <sup>3</sup>	3.9
PTFE Tetron BL	g/cm <sup>3</sup>	2.34
PTFE Tetron HG	g/cm <sup>3</sup>	2.27
PTFE Tetron G	g/cm <sup>3</sup>	2.22
PTFE Tetron G	g/cm <sup>3</sup>	2.2
PTFE Tetron GR	g/cm <sup>3</sup>	2.2
PTFE Tetco V	g/cm <sup>3</sup>	2.17
PTFE Ticomp S	g/cm <sup>3</sup>	2.1
PTFE Tetron C	g/cm <sup>3</sup>	2.08
PVDF 1000	g/cm <sup>3</sup>	1.79
PAI Torlon 5530	g/cm <sup>3</sup>	1.61
Ketron PEEK GF30	g/cm <sup>3</sup>	1.51
Polyvinylchloride Trovidur EN	g/cm <sup>3</sup>	1.47
PVC		
Ketron PEEK HPV	g/cm <sup>3</sup>	1.45
PAI Torlon 4301 & 4501	g/cm <sup>3</sup>	1.45
Polyester PETP Ertalyte TX	g/cm <sup>3</sup>	1.44
Techtron HPV PPS	g/cm <sup>3</sup>	1.43
Acetal Ertacetal C	g/cm <sup>3</sup>	1.41
PAI Torlon 4203 & 4503	g/cm <sup>3</sup>	1.41
Ketron PEEK CA30	g/cm <sup>3</sup>	1.4
Polyester PETP Ertalyte	g/cm <sup>3</sup>	1.39
Ketron PEEK 1000	g/cm <sup>3</sup>	1.31
Celazole PBI	g/cm <sup>3</sup>	1.3
Orkot TLM Marine	g/cm <sup>3</sup>	1.3
Orkot TXM Marine	g/cm <sup>3</sup>	1.3
PPSU 1000	g/cm <sup>3</sup>	1.29
Nylon Ertalon 66GF30	g/cm <sup>3</sup>	1.29
Polyetherimide PEI 1000	g/cm <sup>3</sup>	1.27
Orkot C320 (TLG)	g/cm <sup>3</sup>	1.25
Orkot C321 (TL)	g/cm <sup>3</sup>	1.25
Polysulphone PSU 1000	g/cm <sup>3</sup>	1.24
Polycarbonate Safeguard UVX	g/cm <sup>3</sup>	1.2
Nylon Ertalon 4.6	g/cm <sup>3</sup>	1.18

Nylon Nylatron GSM	g/cm <sup>3</sup>	1.16
Nylon Ertalon 6PLA	g/cm <sup>3</sup>	1.15
Nylon Ertalon 6XAU	g/cm <sup>3</sup>	1.15
Nylon Ertalon PA99 FRAS	g/cm <sup>3</sup>	1.15
Nylon Nylatron GS	g/cm <sup>3</sup>	1.15
Nylon Nylatron MC901	g/cm <sup>3</sup>	1.15
Nylon Ertalon 6SA	g/cm <sup>3</sup>	1.14
Nylon Ertalon 66SA	g/cm <sup>3</sup>	1.14
Nylon Ertalon LFX	g/cm <sup>3</sup>	1.14
Nylon Nylatron 703XL	g/cm <sup>3</sup>	1.11
Polyethylene Polystone M-Flametech	g/cm <sup>3</sup>	0.98
Polyethylene PE Nuvex Playboard	g/cm <sup>3</sup>	0.97
Polyethylene PE Nuvex Leisureboard	g/cm <sup>3</sup>	0.97
Polyethylene PE Nuvex Saniboard	g/cm <sup>3</sup>	0.97
Polyethylene Polystone Ezyslide 78	g/cm <sup>3</sup>	0.96
Polyethylene Polystone P8000+	g/cm <sup>3</sup>	0.96
Polyethylene Polystone P500	g/cm <sup>3</sup>	0.95
Polyethylene Polystone P300	g/cm <sup>3</sup>	0.95
Polyethylene Polystone Cutrite	g/cm <sup>3</sup>	0.95
Polyethylene Polystone M-Slide	g/cm <sup>3</sup>	0.95
Polyethylene Polystone Fender	g/cm <sup>3</sup>	0.95
Polyethylene PE Nuvex Boatboard	g/cm <sup>3</sup>	0.95
Polyethylene Polystone P7000	g/cm <sup>3</sup>	0.93
Polyethylene Polystone Ultra	g/cm <sup>3</sup>	0.93
Polyethylene Polystone Matrox	g/cm <sup>3</sup>	0.93
Polypropylene Polystone PPH	g/cm <sup>3</sup>	0.92
Polyethylene PE Uniboard Eco	g/cm <sup>3</sup>	0.75
Polypropylene Uniboard Standard	g/cm <sup>3</sup>	0.65
Polypropylene Uniboard Ultrastiff	g/cm <sup>3</sup>	0.57/0.68