

Application	Subsea Buoyancy		
Material Description	High Performance Low Density Syntactic Foam		
Maximum Operating Depth @ 10°C	<u>GL-1000-420</u> 1000 MSW	<u>GL-2000-430</u> 2000 MSW	<u>GL-3000-460</u> 3000 MSW
Cured Density	<u>GL-1000-420</u> 420 kg/m ³	<u>GL-2000-430</u> 430 kg/m ³	<u>GL-3000-460</u> 460 kg/m ³
Shore Hardness	65 °D		
Tensile Strength	20 MPa		
Elongation @ Break	1 %		
Tensile Modulus (Young's Modulus)	1930 MPa		
Uniaxial Compressive Strength	34 MPa		
Uniaxial Compressive Modulus	1790 MPa		
Shear Strength	16 MPa		
Bulk Modulus	1624 MPa		
Glass Transition Temperature	>120 °C		
Coefficient of Thermal Expansion	38 ppm/°C		
Velocity of Sound	2164 m/s		
Acoustic Impedance	0.935 Mrayl		
Acoustic Loss Factor	130 db/m		
Poisson Ratio	0.3		
Water Absorption	< +2 % <i>Performed at maximum operational pressure x 1.1 amplification for 170 hours at 23°C</i>		
Standard Dimensional Sizes	0.75 x 0.5 x 0.15 m		

