

# Yewco Geof foam

## Technical Specifications

Properties	Unit	Value	Test Method
Density	Kg/m <sup>3</sup>	15 – 35	DIN 53420
Compressive Strength at 32kg/m <sup>3</sup> density @10%strain	Kg/cm <sup>2</sup> Kpa	2.5 to 3.0 250 to 300	DIN 53421
Shear Strength	Kg/cm <sup>2</sup>	10.5 – 11.0	DIN 53422
Tensile Strength	Kg/m <sup>2</sup>	2.5 to 3.0	DIN 53571
Thermal Conductivity	W/mk	0.028 – 0.035	ASTM C 518.76
Thermal Expansion	mm/mm	0.72 x 10	ASTM B696 – 44
Water Uptake	By volume	Below 1% v/v	DIN 53428
Working Temperature	Degree C	-200 to 80	-

- Density : 20 kg/m<sup>3</sup> Din 53420
- Stress @ final strain 1.5-2.0% : 40-50 kPa Din 53421
- Flexural Strength : 150-390 kPa Din 53423
- Shear Strength : 120-170 kPa Din 53427
- Elasticity Modulus : 3.4-7.0 MPa Din 53457
- Vol. Fraction of water immersed 7 d : < 7% Din 53433
- Block Size : 2440 x 1220x 610 or 3060 x 1220 x 610mm
- Code of Practice according to BASF for EPS on the construction of road embankment
- Yewco EPS connecting metals : Size : 200 x 150 mm as per EDO recommendation ( Available in Single and double-claw type )