

TECHNICAL DATA

PHYSICAL PROPERTIES:

Colour : Green or any other specified colour
Density: 30 to 45 kgs/m³ or any specified density

MECHANICAL PROPERTIES:

Compressive Strength : 120 to 190 KN/m²
Tensile Strength : 220 to 250 KN/ m²
Cross Breaking Strength : 220 to 250 KN/ m²
Shear Strength : 100 to 140 KN/ m²

THERMAL PROPERTIES : (BS:4370)

Thermal Conductivity : 0.018 to 0.022 W/mtr.degK
Temperature Limits : -180 deg C to 120 deg C
Dimensional Stability : <2% (BS: 3927)

MOISTURE PROPERTIES:

Water Vapour Transmission : <2 perm inch.
Water Propagation (ISO:2896) : <5% W/V.

FIRE PROPERTIES:

Ignitability, BS:476 part – 5 : Class – P
Fire Propagation, BS:476 part – 6 : S < 12
Surface Spread of Flame,
BS:476 part-7 : Class I
Building Regulations : Class 0
Critical Oxygen Index : 45
Smoke Index : <5
Punking Behaviour : Non – Punking
Toxicity Index : < 5
Closed Cell Content : 90 % plus.