

Zouch eFoam

Product Classification eFoam - W series

eFoam - W series is a closed-cell polyethylene foam crosslinked by electron beam (EB) irradiation with vertical forming. It can be supplied as rolls of material, and the chemical crosslinking agent is not added.

Density Range: 25-460kg/m³

Fold Range: 20 Folds

Thickness Range: 0.5-6.4mm

Width Range: 600~2000mm

Characteristics of the product:

- Single layer thickness is 0.5-6.4mm for roll product, and up to 40mm for laminated product
- The product has outstanding physical property due to electron beam irradiation similar to nano process
- Be able to possess fire retardant function (UL 94 HF-1 & FMVSS 302) - with F.R. Grade WR
- Offer the products with different grades, a plurality of soft and hardness choices and many kinds of special functions
- The product presents a double-layer fine smooth surface with even pore structure and two identical process skins
- Wide working temperature (-80°C~110°C, and 140°C for special specification)
- High-performance heat isolation, thermal insulation material
- Offer excellent impact sound insulation
- Extremely low water absorption rate and moisture penetration rate
- Good weather resistance
- Good chemical resistance
- Suitable for hot forming and vacuum moulding
- Non-toxic, No odor and no volatile organic compounds (VOC)
- Obtained the 1st category and 2nd category Eco Label given by EPA and complies with European Union (EU) RoHS requirements
- No CFC'S, HCFCs, benzene or flammable hydrocarbons are used in the process
- Choice of various hardness of the products with multi-functional performances