

NEUROBAN Challenger

Impact Mitigation Headwear

Deceleration always refers to acceleration in the direction opposite to the direction of the velocity. Deceleration ALWAYS reduces speed!
ISAAC NEWTON

NEUROBAN Challenger and EVA Foam

NEUROBAN Challenger Impact Mitigation Headwear is made of Ethylene-Vinyl Acetate being a closed cell foam and is commonly found in wet suits and open plastic shoes. Due to its superior elasticity, EVA foam exhibits quick compression recovery, retaining its flexibility and offering a high level of rebound thus making it the ideal choice to use for blunt force protection this product provides.

EVA material can be compared to other elastomeric materials in softness and flexibility, yet can be processed like other thermoplastics. The material has good clarity and gloss, low-temperature toughness, stress-crack resistance, hot-melt adhesive waterproof properties, and resistance to UV radiation. EVA foam's excellent recovery characteristics makes it the obvious choice for this product.

Features:

- Ultra-smooth surface cell structure
- Lightweight
- Water resistant
- Air tight
- Shatterproof
- Insulate against heat and cold
- Non-dusting
- Floats on water
- Superb strength and tear resistance
- High shock absorption
- Flexibility
- Impervious to mildew, mould, rot, and bacteria
- Superior petrol, oils, chemical and grease resistance