



NO EDGE DEFINED, ALL EDGE REFINED.
Assesses fender performance solely under extreme conditions.

FENDER-EDGE PneumaCell

Synthetic Tire Cord Specifications

FENDER-EDGE's **PneumaCell** is expertly designed and manufactured with superior quality, durable materials. We aim to fully unleash pneumatic fender's strength, ensuring it maintains excellent performance even under extreme operating conditions.



The terminology "synthetic tire cord layer" used in this part of ISO 17357 refers to tire cord made of synthetic fibers. Synthetic tire cord layers, commonly used in tires, have been proven to provide strong efficient reinforcement layers in fenders. Each single layer is coated with rubber compound on both sides as well as in between synthetic tire cord threads, hence isolating all cords from each other.

As contact between synthetic tire cord threads does not occur, synthetic tire cord has the advantage over other reinforcement materials, such as canvas fabric of reducing friction and wear between cord threads during compression, bending, and stretching, and also greatly improves fatigue resistance, endurance life, and pressure-holding performance.

Synthetic Tyre Cord Specifications

TEST ITEM	Unit	WARP	WEFT
Density	Ends/inch	24	2
Tensile Strength	N/mm ²	20	0,02

Note:

- The above data is Minimum Performance Requirements for tire cord established by FENDER-EDGE.
- If need specific material, breaking strength, elongation at break and other data, please contact FENDER-EDGE team.