

SHELL TECHNOLOGY

BIOJS

Flax fiber sheets are pressed with high forces and steam into a mold.

Medium torsional strength, lightweight, good insulation properties, medium puncture/impact protection

THERMOSHELL

2K-PUR foam is injected with heat into a firm mold. After curing the shell can be lined on the inner. On the outer usually a water resistant layer is used. Even wood screws can be fixed in this dense and hard material. By adjusting the two chemical components the mechanical properties of the material can be adjusted. High torsional strength, extreme low weight, outstanding thermal insulation properties, medium puncture/impact resistance.

POLYFOAM

Hard Polystyrol material is injected into a firm mold. After curing the shell is reinforced with wooden inserts and frames at neuralgic spots. High torsional strength (with wood frame), extreme low weight, outstanding thermal insulation, good puncture and impact resistance

WOOD

The traditional way of manufacturing a case. Single plies of veneer are crosslaminated under pressure and heat in a mold. After drying of the glue the shell stays in shape. Very high torsional strength, medium weight, good thermal insulation properties, very good puncture and impact resistance

FIBERGLAS

Fiberglas-sheets are saturated with liquid resin and shaped with a proprietary process. After drying the shell stays in shape. High torsional strength, low weight, medium thermal insulation properties, excellent puncture and impact resistance

AIR

Air - the next generation of cases.

The outer and the inner shells are molded independently from each other. With help of a special proprietary process, which we call AIR-Technology, 2K-Foam is injected under pressure to fill the interspace of the outer and inner layer. Better temperature insulation properties than fiberglas- or carbon fiber shells, very low weight

TITANIUM | X-LITE

Carbon fiber sheets and Fiberglas sheets are saturated with liquid resin and combined with a proprietary process. After drying these materials are inseparable. Extremely high torsional strength, ultra low weight, medium thermal insulation properties, outstanding puncture and impact resistance

CARBON

100% carbon fiber sheets are saturated with liquid resin and arranged in a specific proprietary process in a mold. After curing an in every aspect extraordinary shell emerges. Carbon fibers are used wherever requirements of low mass and high strengths reach extreme levels. Highest torsional strength, lowest achievable weight, medium thermal insulation properties, extreme puncture and impact resistance

ARAMID

100% aramid fiber sheets are saturated with liquid resin and arranged in a specific proprietary process in a mold. After curing an in every aspect extraordinary shell emerges. Aramid fibers are preferably used in safety technology for instance in bulletproof vests for operator protection. Highest torsional strength, extremely low weight, medium thermal insulation properties, highest achievable puncture and impact resistance.