RILSAN® PEBAX® ORGALLOY®

SPECIALTY POLYAMIDES FOR WIRE & CABLES

PA 11, PA 12, ELASTOMERS AND ALLOYS:

Rilsan® PA11

Produced from castor oil, Rilsan® PA11 is a high-performance polymer of 100% renewable origin. Rilsan® PA11 contains exceptional properties valued in the Wire & Cable Industry:

→ Short-circuit resistance, Mold and fungus resistance,

→ Abrasion resistance, Termite and rodent resistance,

→ Chemical resistance, Easy processing, Very smooth surface finish.

Pebax® Elastomers

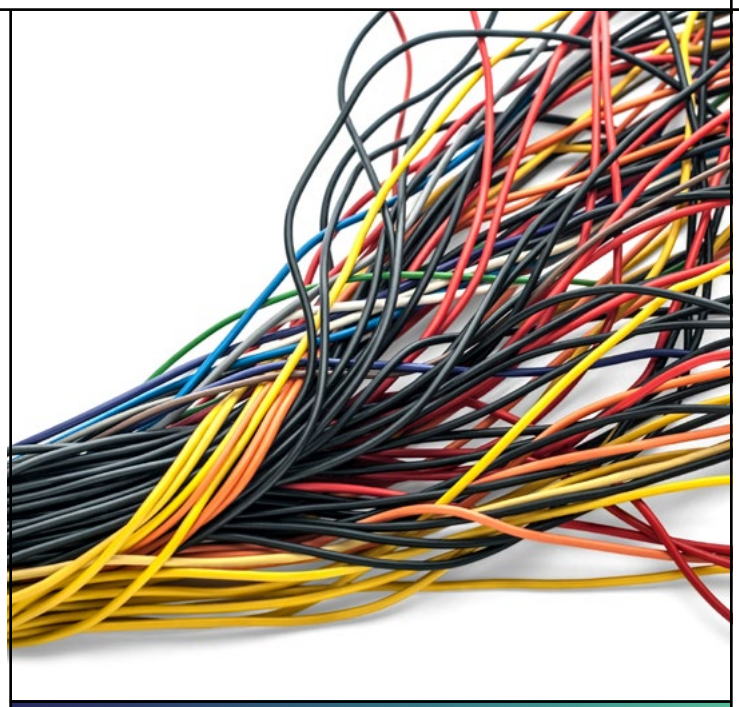
Pebax® elastomer is a thermoplastic elastomer (TPE) that is known for its lightness, flexibility, elasticity, weather resistance and processability. Pebax® elastomer is typically 20% lighter than TPU and acts as an outstanding jacketing material for cables that require superior flexibility and resiliency.

Orgalloy® Alloys

A polyamide based alloy with a dispersed polyolefin phase, Orgalloy® grades are easy to process at high productivity rates. Orgalloy® LE, LT, R, and RS grades have the following characteristics ideal for various Wire & Cable applications:

→ Low density, Thermal resistance, Low moisture uptake,

→ High chemical resistance, Barrier properties, Dimensional stability.

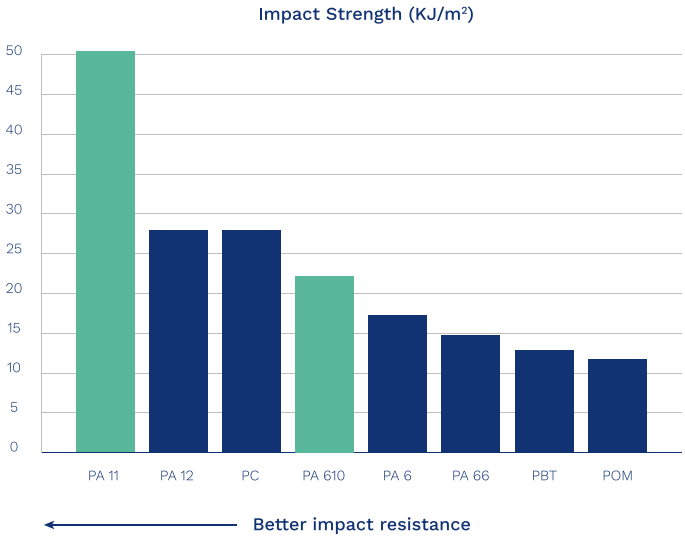


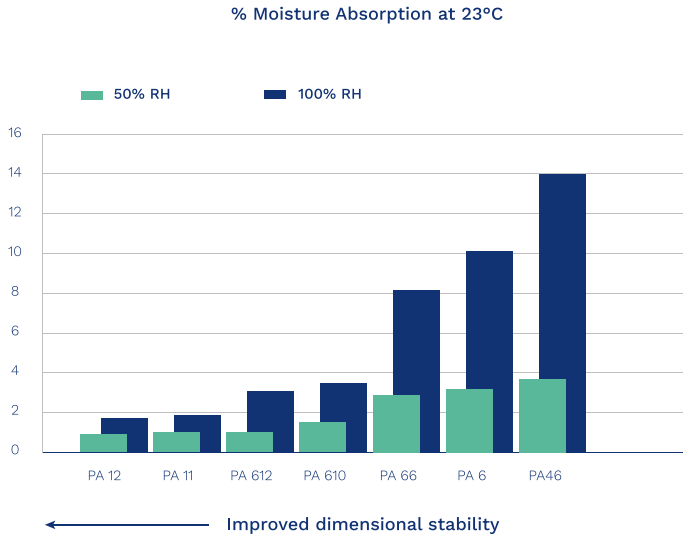
COMMON APPLICATIONS

- → **Plastic optical fibers**
- → **Heat shrinkable tubing**
- → **Foamed jacket insulation**
- → **Insulated down well cables**
- → **Connectors**
- → **Loose tubes for fiber optics**
- → **Wire and Cable ties**
- → **Power cable sheathing**
- → **Anti-termite jacketing**
- → **Offshore cables**
- → **Anti-rodent cables**
- → **Mechanical cables**

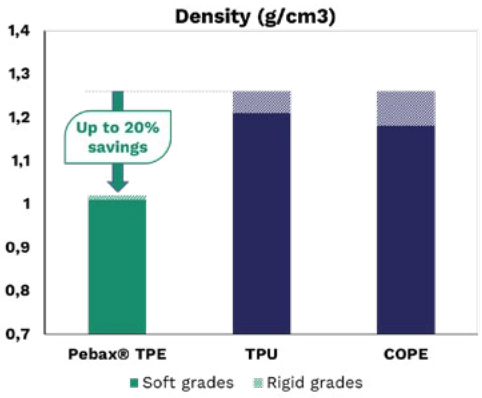
ARKEMA

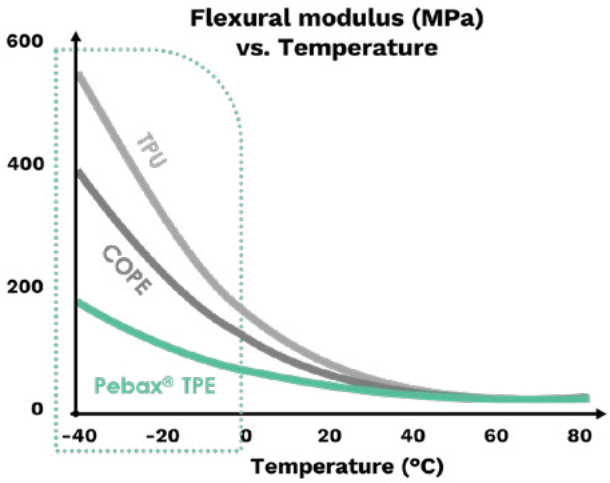
PA 11 VS. PA 12





PEBAX® ELASTOMERS





ORGALLOY® ALLOYS: A GREAT BALANCE OF PROPERTIES

→ Low density

→ Thermal resistance

→ Low moisture uptake: dimensional stability, constant properties

→ High chemical resistance and barrier properties

→ Easy processing, high productivity

→ Compatibility with other polymers

Polyolefin
→ Easy processing
→ No moisture uptake
→ Inert to polar solvents
→ Impact resistant

Polyamide 6 or 6.6
→ Mechanical strength
→ Thermal resistance
→ Chemical resistance to HCs
→ Barrier to HCs

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