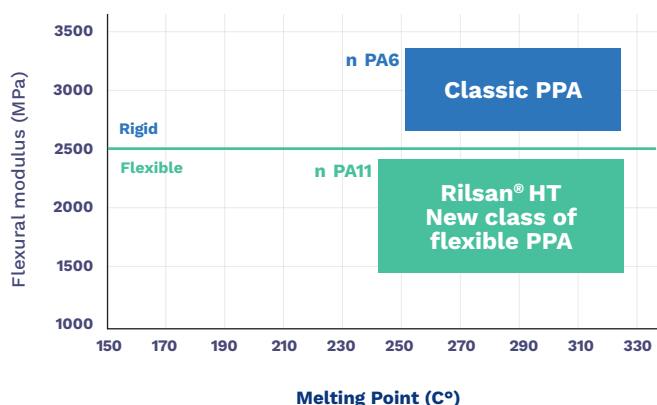
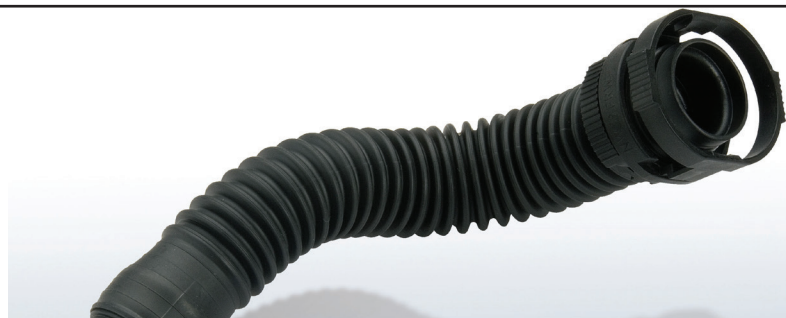


The first flexible PPA

Rilsan® HT materials open up countless metal replacement possibilities for flexible tubing applications, under the hood components and other demanding industrial uses.



There is a clear advantage to high temperature performance with added flexibility in Rilsan® HT resins.

*Formulated resins can reach a flexural modulus of 500MPa.

EASY PROCESSING

Unlike common PPA-based materials, Rilsan® HT resins are simple to process. They can be manufactured using standard processing equipment, making it cost-efficient and allowing for high design flexibility. Easy thermoforming and fitting insertion prove Rilsan® HT resins to be an excellent metal-replacement polymer.

ADDITIONAL BENEFITS

- High temperature resistance
- Flexibility
- Low moisture uptake
- Low density
- Long-term heat resistance
- Chemical resistance
- Spin-weldable
- Biobased (base resin, >65%)

AUTOMOTIVE & TRANSPORTATION APPLICATIONS:

Rilsan® HT resins are outstanding solutions to metal replacement especially in the automotive industry that is pushing for lighter and more durable vehicles.

Air management

- Air intake
- Blow-by
- Brake booster
- Air brake

Aqueous media management

- Cooling hoses
- SCR tubing

Oil management

- Transmission oil cooling line
- Hydraulic fluid brake systems



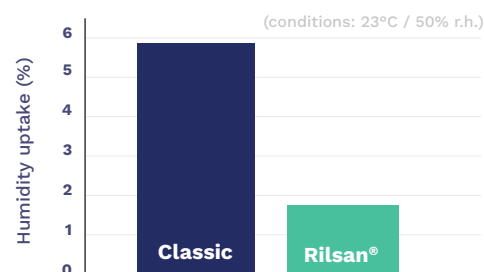
Lightweight



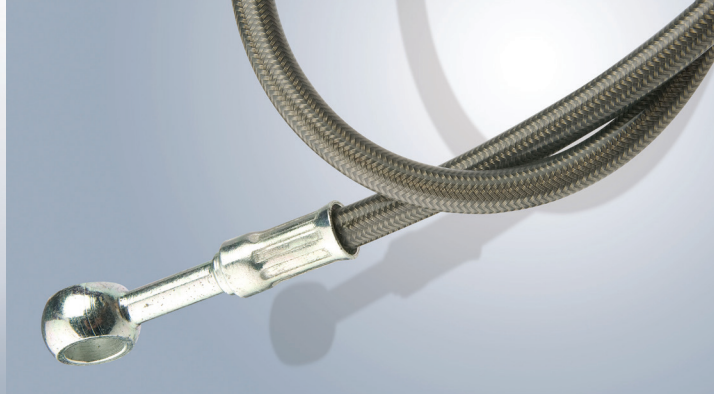
Flexibility



High Temperature Performance



Rilsan® HT resins offers more than 50% less humidity uptake compared to classic PPA.



Rilsan® HT range

	Melt point (°C)	Strain at break % ISO 527	Flexural modulus MPa, ISO 178	Comment
CESV BLACK P223 TL	255	> 130	420	High flexibility
CESV BLACK P010 TL	255	> 130	1000	Balance of flexibility and burst resistance
	Melt point (°C)	Charpy Impact @ -30°C kJ/m², ISO 179	Flexural modulus MPa, ISO 178	Comment
CZM 30 BLACK TLD	255	65	8500	Glass reinforced
CSR 13	255	32	7600	Static charge dissipation

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