


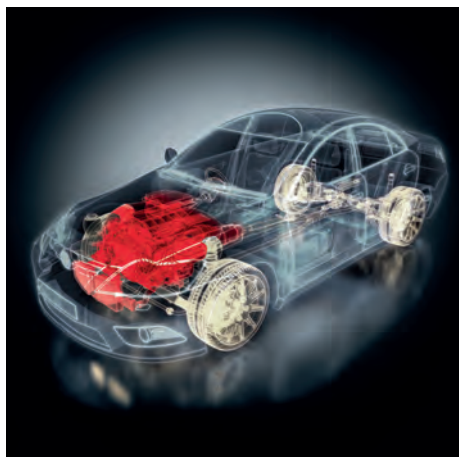
FONTARGEN HTL 5 CR

Nickel based high-temperature brazing paste

High corrosion resistance brazing alloy

The Fontargen HTL 5 CR is a brazing alloy suited for high corrosion resistant joints. This filler alloy special used for EGR coolers, but also fits for applications with high corrosion and high temperature requirements. HTL 5 Cr is also suited for wide gap brazing. The corrosion and oxidation resistance is better than B-Ni 5 but the brazing temperature is lower.

Benefits	Brazing paste container
<ul style="list-style-type: none"> » with the high chromium content, this brazing alloy have a very high corrosion resistant. The corrosion resistant is given against acids like sulfuric acid and nitric acid. » cost efficient, thanks to the good filling properties and the metal content is less filler material needed » high range for the gap size, due to the melting range » high joint strength for the brazed seam 	 <p>Approved by the federal agency for material research BAM (FK 51)</p>



Typical applications

- » Car engine

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Classification

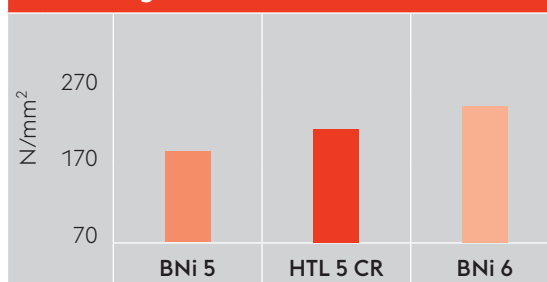
DIN EN ISO 3677

B-Ni60CrPSi-980/1040

Typical chemical composition [wt. %]

Ni	Cr	Si	P
Remainder	29	4	6

Joint strength



Mechanical and physical properties

Working temperature	Gap width	Viscosity range	Metal content
980 – 1040°C	0.02 – 0.3 mm	90,000 – 115,000 mPas	≈ 89 % w/w

Heat sources

Inert gas continuous
furnace Hydrogen

Vacuum furnace

Base materials

Steel

Stainless steel

Nickel

Nickel alloys

Art. Nr.

80931

Form

Paste

Packaging

1 kg

81016

Paste

15 kg

