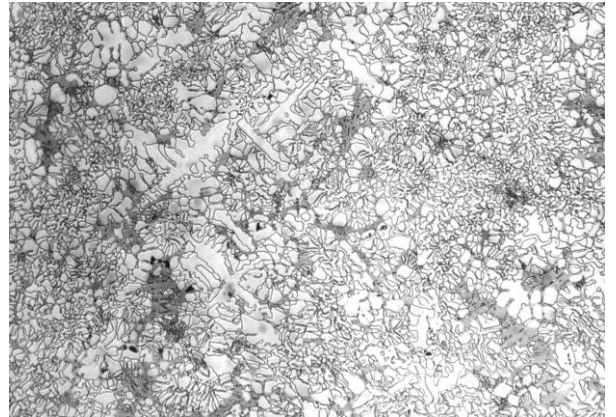


C242

Bimetallic cylinder inlay

Maximum protection against corrosion based on a low-iron, nickel based alloy

Structure	Micro Hardness HV 0.1
Ni/Cr-Boride/-Karbide	1100 – 1300
Eutektikum	800 – 950
Ni-Co Matrix	350 - 450



Ni based alloy

Anti-corrosive	
Hardness	48 - 56 HRC
Density	7.9 kg/dm ³
Max. process temperature*	600 °C

Typical Plastics

PVC hard
PUR
Fluor plastics

Thermal Properties

	RT – 100 °C	RT - 300 °C	RT – 400 °C
Coefficient of expansion (1/°C)	8.8 * 10 ⁻⁶	10.7 * 10 ⁻⁶	12.0* 10 ⁻⁶
	100°C	200°C	400°C
Thermal conductivity (WK ⁻¹ m ⁻¹)	12.1	14.3	

all details are standard values

* Max. process temperature refers to the temperature level for which the barrel can process without compromise to the physical properties of the inlay and backing steel.