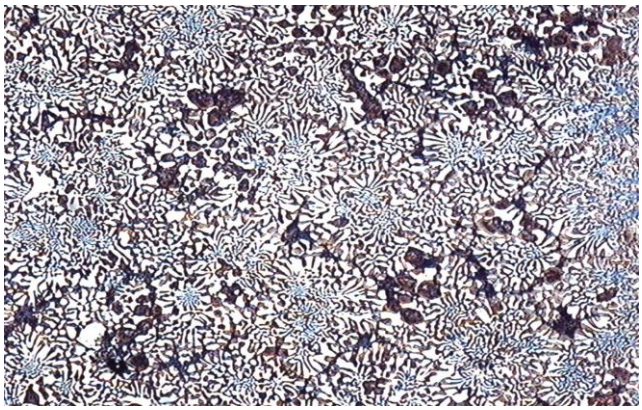
AC333

Bimetallic cylinder inlay

Good protection against the combined wear influence of corrosion and abrasion. This alloys represents a multifunctional alloy, which takes up to 30% glass and fillers.

Phase	Micro Hardness HV 0.1
Fe/Cr – Boride/ -Karbide	1100 – 1300
Eutektikum	850 – 1050
Bainit/Martensit	500 - 750



Fe based alloy

Anti-abrasive, anti-corrosive	
Hardness	64-69 HRC
Density	7.5 kg/dm^3
Max. process temperature*	500 °C

Typical Plastics

PMMA
ASA/SAN
PC
PI
PET (P)
PBT (P)

Thermal Properties

	RT – 100 °C	RT - 300 °C	RT – 400 °C
Coefficient of expansion (1/°C)	8.7 * 10^{-6}	9.2 * 10^{-6}	9.8 * 10^{-6}

	100°C	200°C	400°C
Thermal conductivity ($WK^{-1}m^{-1}$)	17	19	

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.