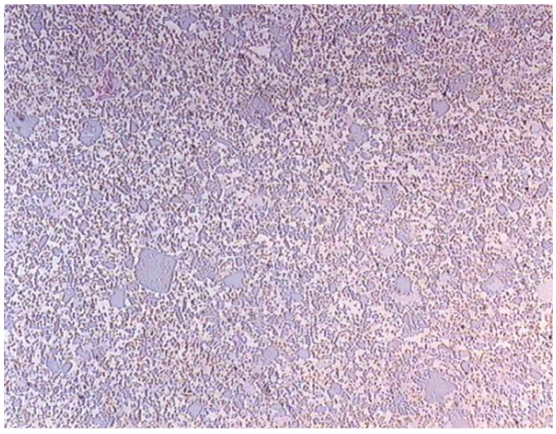
ACW800

Bimetallic Inlay for Cylinders

Offers the highest protection against abrasion and corrosion. Even when processing highly filled materials.

Structure	Micro Hardness HV 0.1
WC-Carbide	1350 – 2100
Ni-Si-Eutectic	750 – 1100
Ni-Boride	1050 – 1250
Matrix	350 – 450



Tungsten carbide based alloy	
Antiabrasive and anticorrosive	
Hardness:	58 – 66 HRC
Density:	10.7 kg/dm^3
Max. operating temperature of inlay:	650 °C

Typical Plastics
Polyolefine, >30% filling content
MF / UF
PI / PEI
PSU / PPS / PES
Recyklate / regrind

Thermal Properties

	RT – 100 °C	RT – 300 °C	RT – 400 °C
Coefficient of expansion (1/°C)	6.8 x 10^{-6}	8.0 x 10^{-6}	8.4 x 10^{-6}
	100°C	**200°C**	**400°C**
Coefficient of expansion ($WK^{-1}m^{-1}$)	19.9	21.9	

All details are standard values

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Subject to change