



AUROX

BACKING COMPOUND



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PREMIUM COMPOUNDS FOR CRUSHERS



AUROX BACKING COMPOUND



AUROX Backing Compound is a two-component, epoxy resin-based compound with high compressive strength and impact resistance, for backing wear parts in large gyratory and cone crushers used in extreme heavy-duty crushing operations.

Due to its superior impact and compressive strength, **AUROX Backing Compound** effectively absorbs energy, minimizes vibration, and reduces the risk of breakdowns of key components.

Sediment-free for a smooth and effortless mixing process, it is designed to perform flawlessly in all climate conditions – even in the coldest winters.

PRODUCT FEATURES:

- High compressive strength and impact strength
- Minimum shrinkage
- Quick cure time
- Easy to mix and even to pour

APPLICATIONS:

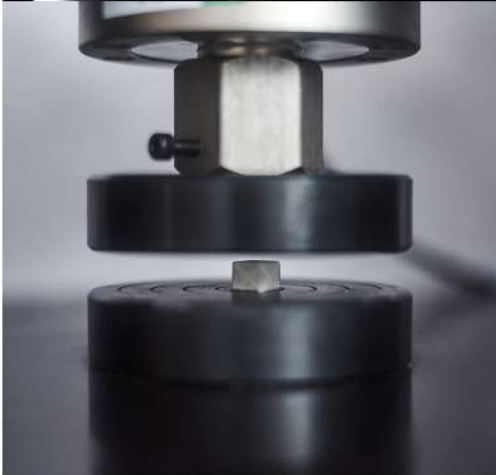
- Gyratory crushers
- Cone crushers



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STANDARD BACKING COMPOUND:

PROPERTY	STANDARD	VALUE
Density (ρ), g / cm ³ (lb/in ³)	ISO 2811-1:2023 (ASTM D792:20)	1.740±0.003 (0.063±0.000108)
Specific gravity (ρ)	ISO 2811-1:2023 (ASTM D792:20)	1.74
Overall volume shrinkage, %	ISO 3521:1997 (ASTM D792:20)	0.1
Viscosity* (η), mPa·s (cP) Brookfield - LVT, Temp. 23°C, Spindle 4, RPM 12	ISO 3219:2021 (ASTM D2196-20)	≈12 000
Shore hardness D	ISO 868:2003 (ASTM D2240)	80
Tensile strength (σ_m), MPa (psi)	ISO 527:2019 (ASTM D638-22)	25±2 (3916±290.08)
Compressive strength (σ_c), MPa (psi)	ISO 604:2002 (ASTM D695-23)	110±2 (15 954±290.08)
Impact strength (a_{1200}), kJ/m ² (ft·lb/in)	ISO 180:2023 (ASTM D256-23)	6-7
Pot life at 23°C, min	ISO 3219:2021 (ASTM D2196-20)	≈25
Hard dry at 23 °C, h		4-6



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HIGH PERFORMANCE BACKING COMPOUND:

PROPERTY	STANDARD	VALUE
Density (ρ), g / cm ³ (lb/in ³)	ISO 2811-1:2023 (ASTM D792:20)	1.750±0.003 (0.0632±0.000108)
Specific gravity (ρ)	ISO 2811-1:2023 (ASTM D792:20)	1.75
Overall volume shrinkage, %	ISO 3521:1997 (ASTM D792:20)	0.1
Viscosity* (η), mPa·s (cP) Brookfield - LVT, Temp. 23°C, Spindle 4, RPM 12	ISO 3219:2021 (ASTM D2196-20)	≈ 24 000
Shore hardness D	ISO 868:2003 (ASTM D2240)	82
Tensile strength (σ_m), MPa (psi)	ISO 527:2019 (ASTM D638-22)	27±2 (3916±290.08)
Compressive strength (σ_c), MPa (psi)	ISO 604:2002 (ASTM D695-23)	130±2 (18855±290.08)
Impact strength (a_{1200}), kJ/m ² (ft·lb/in)	ISO 180:2023 (ASTM D256-23)	6-7
Pot life at 23°C, min	ISO 3219:2021 (ASTM D2196-20)	≈25
Hard dry at 23 °C, h		4-6



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