



FC Mill Liners, Inc.

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Materials Data Sheet

FC WearPro™ Mill Liners

Martensitic Tool Steel

Martensitic tool steels are produced to ASTM international specifications and offer good corrosion and abrasion resistance, while maintaining good impact toughness.* Typical applications include SAG feed and discharge end liners and chute liners. This alloy can be substituted for Chrome Molybdenum steel in certain SAG applications to increase component wear life.

Nominal Chemical Composition

Grade	FCA-21
Equivalent Standard	ASTM A597 CH-12

Composition (Weight %)	
Carbon	0.35
Manganese	0.38
Silicon	0.75
Chromium	5.25
Molybdenum	1.50
Phosphorus	0.03 max
Sulphur	0.03 max

Surface Brinell Hardness (BHN)	
Range	510-550

* Standard FCA alloy grades are selected based on customer's needs and can be customized to meet specific applications and challenges.