



**FC Mill Liners, Inc.**

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# Materials Data Sheet

## FC WearPro™ Mill Liners

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### 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

<b>Grade</b>	
Equivalent Standard	<b>FCA-21</b> ASTM A597 CH-12
<b>Composition (Weight %)</b>	
Carbon	0.35
Manganese	0.38
Silicon	0.75
Chromium	5.25
Molybdenum	1.50
Phosphorus	0.03 max
Sulphur	0.03 max
<b>Surface Brinell Hardness (BHN)</b>	
Range	510-550

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