

IXOLITE HTX-301

High temperature resistant low friction material for steel industry



HTX-301 is the high performance material with excellent temperature-wear resistance and very low friction. It has been designed to fit best for the roughing, finishing and down coiling process.



The blade part is fabricated in the required sizes and shapes from the master sheet material.

Technical data (Stand Jan. 2017)

Properties	Unit, Condition	Value (typical)
Specific Gravity / Dichte		1.80
Hardness / Härtegrad	barcol	65
Compressive Strength vertical / Druckfestigkeit senkrecht	Mpa	305
Compressive Strength parallel / Druckfestigkeit parallel	Mpa	152
Flexural Strength / Biegefestigkeit	Mpa	140
Splitting force / Spaltkraft	kN	8.52
Shear strength / Scherfestigkeit	Mpa	85
Heat resistance / Wärmewiderstand	°C	350
Wear Height / Verschleißhöhe	mg/hr (200N, 300°C)	20
Frictional coefficient / Reibungskoeffizient	μ (200N, 300°C)	0.15
Water Absorption / Wasseraufnahme	%	<0.4

IXOLITE is the product name of the phenol glass fiber material dedicated to the steel production industry. It is extremely resistant to the high temperature and the continuous wear in different kinds of steel production processes like roughing, finishing and down coiling. IXOLITE material has been designed and developed to satisfy the needs for the high durability under the severe process conditions. By using the IXOLITE material in the various processes of the steel production, the factory can save huge amount of costs due to the long life cycle and the high productivity.

The main advantages are:

- ◆ High productivity through the great durability and long life cycles
- ◆ Economic price compared to the other similar material on the market.
- ◆ Man power saving through the less frequent replacements.