

GLASSTEEL

COMPOSITION:

Glassteel is a borosilicate combined with other oxides.

APPLICATIONS & USES:

GLASSTEEL Coatings can be customized to meet specific applications, whether that application requires maximum wear resistance, superior dielectric strength, excellent corrosion resistance, or beneficial release qualities.

GLASSTEEL Coatings are applied at room temperature and then moved to furnaces where they are cured at very high temperatures. The curing process creates both a physical and chemical bond with the underlying substrate and, once cooled, yields a very dense, non-porous surface. The chemistry of GLASSTEEL Coating is inorganic and non-reactive and does not degrade or wear.

GLASSTEEL Coatings are used in the flexible packaging, paper manufacturing, chemical, pharmaceutical, carbon fiber and pre-preg processing industries. Typical applications include corona treatment rolls, sizing and surface treatment rolls, oven rolls, cooling rolls and dip/chemical bath rolls.

PROPERTIES:

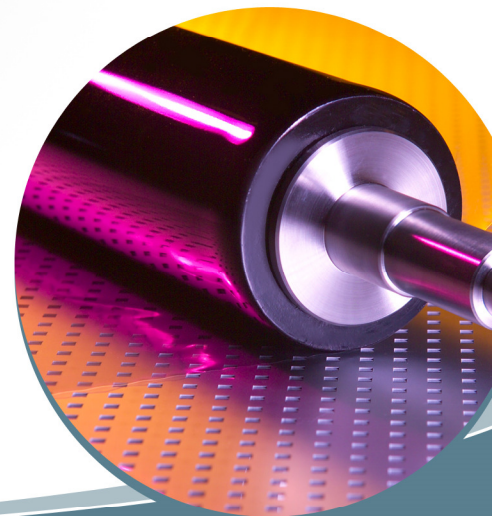
Dielectric Strength	1,000 volts/mil
Hardness	50 Rc
Surface Finish	12-16 Ra (ground and polished) 4 Ra (as fired)
Corrosion Resistance	Extremely High
Porosity	< .005%
Max Process Temperature	> 500f
Release	Very Good (across multiple temperatures)

ATTRIBUTES

Dielectric Strength
Release
Ease of Maintenance
Durability
Corrosion Resistance

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585.924.2020



THE BEST COATINGS FOR YOUR MOST DIFFICULT APPLICATIONS