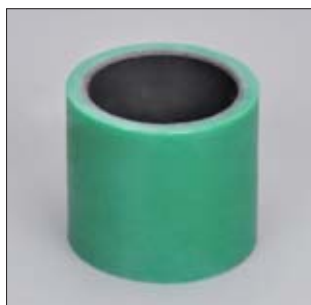


CRW Bearings



■ Material structure

Sliding layer: Continuous wound PTFE and high-strength fibers encapsulated in an internally water lubricated, high temperature filled epoxy resin.

Backing: Continuous wound glass fiber encapsulated in epoxy resin.

Technical data

Material properties	Standard	Unit	CRW
Density	ISO1183	g/cm ³	1.90
Max. water absorption	ISO62	%	0.1
Max. PV (dry)	ITS026	N/mm ² ×m/s	1.2
Coefficient of friction	ITS025	μ	0.05 ~ 0.15
Long-term application temperature	ITS029	°C	+160
Short-term application temperature	ITS029	°C	+180
Lowest application temperature	ITS029	°C	-196
Max. Speed	ITS032	m/s	0.13
Compressive strength	ITS033	MPa	420
Max. static load	ITS027	MPa	240
Max. dynamic load	ITS028	MPa	120
Linear coef. of thermal Expansion (25 ~ 150°C)	ISO11359	10 ⁻⁶ ×K ⁻¹	13

*ITS: CSB company's internal test standards.

**Test temperatures are 23°C unless otherwise stated.

Typical features

Excellent anti-wear property under water
 High load capacity
 Excellent dirty resistance
 Good chemical resistance
 Very lowest friction coefficient

Typical applications

Marine machinery
 Port machinery
 Hydropower equipment
 Cleaning equipment