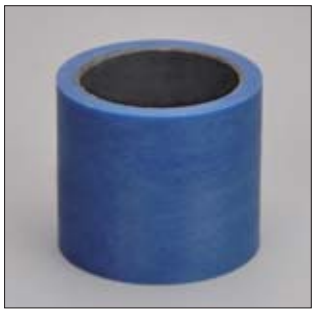
CRM Bearings



Material structure

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

Technical data

Material properties	Standard	Unit	CRM
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	℃	+160
Short-term application temperature	ITS029	℃	+180
Lowest application temperature	ITS029	℃	-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℃)	ISO11359	10^{-6}×K^{-1}	13

*ITS: CSB company's internal test standards.
**Test temperatures are 23℃ unless otherwise stated.

Typical features

For high load oscillation applications
Internal bore can be precision-finished
Excellent contamination resistance
Good chemical resistance
Oil forbidden

Typical applications

Boom lifts, Scissor lifts
Hydraulic cylinder pivots
Handling machinery
Packager machinery

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