

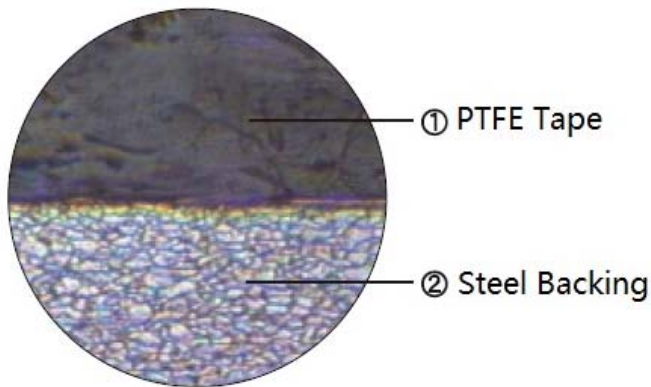
Material Data-sheet Metal Polymer-material CSB-12EC

1. Description

Metal-Polymer sliding material consisting of two layers

2 Structure

Lower Carbon Steel backing with PTFE Tape bonded



2.1 **PTFE Tape (BLACK COLOR)** : Electrically Conductive ($\leq 10^6 \Omega \times \text{cm}^2$)

Thickness 0.15mm

Consisting of PTFE 65% and Glass Fiber 15% and others 20%

Function: Gives good lower friction coefficient sliding performance

2.2 **Steel backing:** (galvanized)

DC51D+Z60/60 ref to [Q/BQB402-2009 \(BAOSTEEL Standard\)](#)

Composition %						
C	Si	Mn	P	S	Ti	Fe
0.03 ~ 0.07	0.50 Max	0.60 Max	0.10 Max	0.045 Max	0.30 Max	remainder

Mechanical Properties		
TS Mpa	Enlogation A80 %	Hardness (HB1/30/10)
270Mpa Min	22% Min	85 ~ 110 HB

Function: Base backing material to be bonded with the PTFE tape as metal-polymer material
Give good load capacity for the application.