

DATA SHEET material 1.3505 for needles and rollers

100Cr6, AISI 52100, chrome steel, steel for bearings

Chemical composition:

	C%	Si%	Mn%	S%	P%	Cr%	Mo%	Cu%	Al%	O%
min.	0,93	0,15	0,25	---	---	1,35	---	---	---	---
max.	1,05	0,35	0,45	0,015	0,025	1,65	0,1	0,30	0,050	0,0015

According to: DIN EN ISO 683-17

Hardness: 58 – 65 HRC

Spec. Weight: 7,835 g / cm³

Characteristics:

Mostly used in ball bearings. Very good hardness, very good physical characteristics, low corrosion – resistant, magnetic

Application areas:

Ball bearings, household appliances, automobile industry

Qualities according to DIN 5402