Data Sheet

Steel 1.2379 / X153CrMo12 / SKD11, annealed

Alternative Designations

SKD11 (DIN) | D2 (AISI) | SKD11 (JIS)

Key Features

Durable • High strength • Tough

Description

The steel x153crmo12 manufacturing material is an alloy that is made up of carbon, manganese, chromium and molybdenum. This combination of elements gives the alloy its high strength and toughness, making it ideal for use in applications where these properties are required. The alloy is also resistant to wear and tear, making it a good choice for use in industrial settings.

Mechanical Properties

Hardness	62
Module of elasticity	210 GPa

Physical Properties

Density	7.7 g/cm³
Coefficient of thermal expansion	10.4 K-1 · 10-6
Thermal conductivity	20 W/m · K
Specific heat capacity	460 J/kg · K

Chemical Composition

Al	-	N	-
Bi	-	Nb	-
C	1.45 – 1.6%	Ni	-
Cd	-	O	-
Co	-	P	0.03%
Cr	11 – 13%	Pb	-
Cu	-	S	0.03%
Fe	-	Si	0.15 – 1.6%
H	-	Sn	-
Mg	-	Ti	-
Mn	0.2 – 0.6%	V	0.7 – 1%
Mo	0.7 – 1%	Zn	-

Reference

Datasheets provided by Xometry contain materials sourced through trusted OEMs, material distributors, and databases. Please visit Materialdatacenter.com for further information on this material.