

Cardolite[®] NX-4778

CNSL Resin

Technical Datasheet

DESCRIPTION

Cardolite NX-4778 is a solvent free resin used as a binder for friction products. Together with hexamine as cross-linking agent, NX-4778 provides a heat-curable thermosetting system that offers all of the desirable characteristics of impact resistance, flexibility, and thermal stability. Friction products made with CNSL have superior heat resistance compared to those made with drying oils (such as linseed oil), and give no problems caused by oil bleeding.

PROPERTIES

PROPERTY	TYPICAL VALUE	SPECIFICATION	TEST METHOD
Viscosity @ 25°C (cps)	42,000	40,000 - 51,000	NTM 13
Gel time @ 82°C (min)	48	40 - 55	NTM 24
Gel particles (visual), particles/g	10	≤ 20	NTM 97
Solids (%)	99.8	≥ 98	NTM 7
pH	-	2 - 3	NTM 54
Density @ 25°C (kg/L) (lb/gal)	- -	- -	NTM 62
Shelf-life (months)		6	

APPLICATIONS

Cardolite NX-4778 provides excellent strength for heavy duty blocks and rail applications.

ADVANTAGES

- Provides excellent strength
- Solvent free

APPROVALS AND REGULATORY STATUS

Australia:	-	Japan:	-	Taiwan:	-
Canada:	DSL	Korea:	-	United States:	TSCA
China:	IECSC	New Zealand:	-	Other:	-
Europe:	REACH	Philippines:	-		

SAFETY PRECAUTIONS

Please refer to the material safety data sheet (MSDS). Copies of the MSDS can be requested on the Cardolite website or via your local sales representative.

STABILITY AND STORAGE

Product packaging should be kept tightly closed when not in use, and the material stored in a cool, dry place.

CONTACT INFORMATION



<http://www.cardolite.com>

Cardolite Corporation
500 Doremus Avenue
Newark, NJ 07105
United States of America

T: +1-973-344-5015
F: +1-973-344-1197

Cardolite Europe N.V.
Wijmenstraat 21 K Bus 2
B-9030 Mariakerke (Gent)
Belgium

T: +32-(9)-265-8820
F: +32-(9)-265-8829

Cardolite Chemical Zhuhai Ltd.
Biyang Road
Harbor Industrial Zone
Zhuhai, Guangdong 519050
P.R. China
T: +86-756-726-9066
F: +86-756-726-9067

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