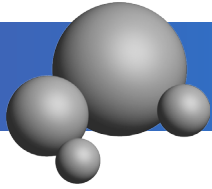


ND LM-1293[®]

Masking & Lubricating



DESCRIPTION:

ND LM-1293 is an automotive approved thread masking and lubricating coating formulated with a Teflon[®] type material and a proprietary binder system.

ND LM-1293 can be applied to male or female, ferrous or non-ferrous threaded fasteners of virtually any finish. It is a cross-linked coating providing excellent solvent resistance, high temperature resistance, e-coat resistance (as specified under GM6076-M), resistance to weldspatter, and improvement to torque-tension properties.

ND LM-1293 lubricates fastener threads to reduce driving friction, heat buildup, and thread galling in long rundowns while helping to ensure uniform clamp loading.

To meet your specific application needs, ND LM-1293 employs a wide range of polymers, including fluorinated ethylene polymer (Teflon[®]-type) material.

APPLICATIONS:

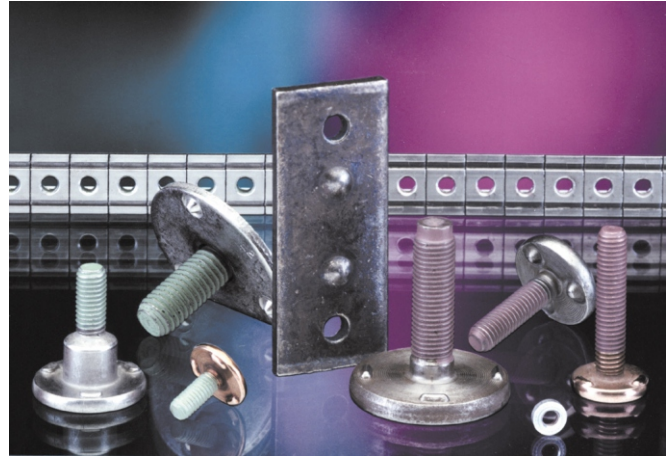
FEATURES:

Resists adhesion of automotive underbody coatings
Welded nuts, studs & pierce nuts
Large appliances
Construction
Heating & cooling compressors

Reliable Masking: ND LM-1293 prevents undesirable substances such as electro-deposited undercoatings, weld spatter and some other materials from adhering to fastener threads.

Low Heat Process: Unlike competitive processes which often subject parts to extremely high temperatures that may damage or discolor the fastener, ND's unique patented process employs minimal heat.

Minimal Pre-cleaning Requirements: Unlike competitive processes that require parts be completely



FEATURES CONTINUED:

free of oil or other rust preventative coatings, only parts with excess oil or surface contaminants may require pre-cleaning for ND's LM-1293 processing.

Increases Productivity: By providing additional lubricity, ND LM-1293 speeds assembly operations and increases productivity.

Eliminates Capping and Plugging: ND LM-1293 eliminates the need to cap male and plug female threads.

ND LM-1293 meets or exceeds the performance requirements of the following specifications and/or standards:

AUTOMOTIVE:

- Chrysler PS-8542
- Ford: WSS-M21P27-A3
- General Motors: GM6076M

For a complete list contact ND Industries.

SPECIFICATIONS:

Material Properties	
Primary Usage	Thread Masking / Thread Lubricating
Material	Poly (Tetrafluoroethylene) (PTFE) (Teflon®—type material); Other polymers available
Color	Purple, teal and pale yellow (other colors available upon request)
Service temperature range	-65° to +400°F
Solvent resistance (ASTM D5402-93 (99))	150 double MEK rubs
K Value (ASTM D5648-01)	0.14 (typical value) (3/8" x 16 x 11/4" dry zinc phosphate coated steel nuts and bolts) K value = torque / tension x bolt diameter
% Solids (by weight) (ASTM D2369-01)	50%

® TEFLON is a registered trademark of E.I. DuPont DeNemours & Co.

ND LM-1293 is a product of ND Industries, Inc., U.S.A.



Distributed in Canada by _____

WESTsales@
 115-1440 Aviation Park NE
 Calgary, AB
 T2E 7E2
 403-291-3516



CENTRALsales@
 2-205 Industrial Pky N
 Aurora, ON
 L4G 4C4
 905-889-9100

EASTsales@
 492 Avenue Lépine
 Dorval, QC
 H9P 2V6
 514-556-3064

USAsales@
 2775 Broadway Ave
 Buffalo, NY
 14227
 905-889-9100

800-560-9813

irwin-ind.com

800-263-3562