

# Product Data Sheet

## Description

**Nexus Grimol WD 2** is a high-performance lubricating grease specially developed for machinery operating in damp and wet environments.

Formulated with premium base oils and a carefully selected additive system, it delivers outstanding water resistance through strong adhesion and excellent resistance to emulsification with moisture.

**Nexus Grimol WD 2** maintains its protective lubricating film even in the presence of water, ensuring reliable performance, extended service life, and reduced maintenance requirements.

## Applications

Nexus Grimol WD 2 is recommended for:

- Lubrication of bearings operating in wet or humid conditions
- Water-exposed machinery in industrial and processing plants
- Textile machinery in high humidity environments
- Pumps, conveyors, and rollers subjected to water contamination
- Equipment in outdoor applications or frequent washdown conditions
- General greasing where water resistance is critical

## Benefits

- **Excellent Water Resistance**  
Resists washout and maintains lubrication in wet conditions
- **Strong Adhesion**  
Stays firmly on metal surfaces, reducing grease loss
- **Non-Emulsifying Behavior**  
Prevents mixing with water, maintaining grease integrity
- **Extended Service Life**  
Reduces relubrication frequency
- **Reduced Grease Consumption**  
Improves efficiency and lowers operating costs
- **Corrosion Protection**  
Protects components against rust in damp environments

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- **Reliable Performance in Harsh Conditions**  
 Ensures consistent lubrication under moisture exposure

Property	Method	Typical Value
Composition	—	Mixture of base oils and water-resistant additives
Base Oil	—	Mineral & Synthetic Blend
NLGI Grade	ASTM D217	2
Appearance	Visual	Smooth, Red & Homogeneous
Density @ 20°C, g/cm <sup>3</sup>	ASTM D4052	0.92
DN Factor	—	120,000
Dropping Point, °C	IP 396	250
Dynamic Emcor Corrosion (Distilled Water)	IP 220	0 – 0
Dynamic Emcor Corrosion (Salt Water)	IP 220	0 – 0
Water Resistance	DIN 51807	1 – 90
Water Washout, %	ASTM D1264 / D4049	0.2
4 Ball Weld Point, Kg	IP 239	250
Copper Corrosion (24 hrs, 100°C)	ASTM D4048	1a
SRV Friction and Wear Test (300 N / 2 hrs / 50°C), Coef. of Friction	ASTM D5707	0.08

\*Subject to usual manufacturing tolerances

**Nexus Grimol WD 2**

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