

Biodegradable Grease (E-EP5)



Product Description

Podlee E-EP5 range grease is a high-performance lubricant formulated with specialized metallic soap thickeners and refined biodegradable base oils. This product delivers exceptional lubricity, noise reduction, and anti-seepage properties, specifically engineered as a cost-effective solution for transmission systems in marine, railway, and other industrial equipment.

Application

A high-performance grease specifically engineered for the transportation industry, optimally recommended for:

Lubrication of bearings, plastic gears in transport skids, guide rails, and pressing machinery;
Steel wire ropes in marine and port applications.

Advantages

Unique gel Technology: Maintains a stable, paste-like consistency under static conditions with no dripping risk, even without mechanical stress.

Superior Lubrication: Ensures effective lubrication for bearings, gears, guide rails, and other transmission components.

Eco-Friendly Formula: White, non-staining, non-toxic, non-irritating, and fully biodegradable.

Enhanced Durability: Reduces friction coefficients, minimizes noise, and delivers long-lasting lubrication with extended service life.

Material Compatibility: Safe for use with plastic and rubber materials, ideal for lubricating plastic gears and components.

Robust Protection: Resists water washout and corrosion for reliable performance in harsh environments.

Typical Characteristics

Item	Test Data		Standard
	1	2	
NLGI	1	2	ASTM D217
Work Penetration (0.1mm)	325	280	ASTM D217
Dropping Point (°F/°C)	536/280	554/290	ASTM D2265
Copper Corrosion	1a	1a	ASTM D130
Evaporation Loss (99°C, 22h), (%)	1.53	1.45	ASTM D972
P _D (kgf)	1961	1961	ASTM D2783

Package

17 KG/CTN

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