

# Marfak<sup>®</sup> EP (formerly Marfak Multipurpose EP)

Automotive and Industrial Grease



## Product description

General purpose grease containing an ISO 220 mineral base oil, a proprietary thickener and rust & oxidation inhibitors for use in general purpose automotive applications and industrial ball and roller bearings.

## Customer benefits

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- **Protects equipment**  
Resistance to water washout retains grease in place in wet environments. Mechanical stability minimizes shear down of the grease, reducing leakage from bearings.
- **Good service life**  
Effective oxidation inhibitor reduces the degradation of the base oil in service, to enhance the service life of the grease.
- **Excellent anti-wear properties**  
Protects equipment against extreme loading minimize bearing component wear.

## Approvals, performance and recommendations

### Performance:

	DIN 51 502	ISO 6743-09	Operating temperature
<b>Marfak EP 2</b>	K 2 K-20	ISO-L-XBCEB 2	-20°C up to 120°C
<b>Marfak EP 3</b>	K 3 K-10	ISO-L-XBCEB 3	-10°C up to 120°C

### Typical test data

#### MARFAK EP

Characteristic	Test method	NLGI Grade	
		NLGI 2	NLGI 3
<b>Product Code</b>		<b>510879</b>	<b>510880</b>
Appearance	Visual	Brown-Yellow & Buttery	Brown-Yellow & Buttery
Worked Penetration, 60x,mm/10	ASTM D217	275	236
Soap type		Proprietary	Proprietary
Dropping point, °C	ASTM D566	180	180
Base oil type		Mineral	Mineral
ISO Viscosity grade Base Oil Equivalent		220	220
Viscosity at 40°C, mm <sup>2</sup> /s	ASTM D445	200	202
Viscosity at 100°C, mm <sup>2</sup> /s	ASTM D445	16.5	16.4
Copper corrosion 24h/100°C	ASTM D4048	1B	1B
Corrosion Preventive Test, 52°C, 48hrs	ASTM D1743	Pass	Pass
Oil Separation, mass%	ASTM D1742	1.5	1

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ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.