

PRODUCT DATA SHEET

Royal Crown Tech Edge Grease **H1 Food Grade High Temperature Grease**



PRODUCT DESCRIPTION:

Royal Crown Tech Edge Grease is hi-temperature and heavy duty H1 food grade grease designed specifically for lubrication of the wide range of the severe operating conditions in the food industry. This grease is formulated with aluminum complex thickener and other permitted ingredients including high viscosity base oils and additives to meet the stringent requirements of the industry. This grease has high load carrying capabilities, rust preventive and excellent water resistant properties.

Royal Crown Tech Edge Grease is NSF H1 approved for applications where there is a possibility of incidental food contact.

KEY FEATURES:

- H1 Food Grade Grease
- Good Extreme Pressure and Rust Protection
- Excellent Water Resistance
- Excellent High Temperature Properties

CUSTOMER BENEFITS:

- Designed to work effectively in the temperature range of 0°F to 350°F
- Provides superior load and wear protection for the bearings and long life to machinery
- It works effectively for extended period of time under water ingress in food processing and other industries with excellent rust protection.

APPLICATIONS:

This grease is though designed for the food industry but can also be used for other industrial application as well.

PACKAGING:

Drums, Pails and Cartridges

SPECIFICATIONS AND APPROVALS:

NSF H1

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Typical Properties

| Royal Crown Tech Edge Grease | | |
|-----------------------------------------|------------------|--------------------|
| Product Number | 977WA | Test Method |
| NLGI grade * | 2 | ASTM D 217 |
| Thickener type | Aluminum Complex | - |
| Color | White | Visual |
| Base Oil viscosity | | |
| @ 40°C, cSt | 458.8 | |
| @ 100°C, cSt | 32.97 | ASTM D 445 |
| @ 100 °F, SUS | 2446 | |
| @ 210 °F, SUS | 161.1 | |
| Drop Point, °F | + 500 | ASTM D 2265 |
| Worked Penetration at 25°C | 265-285 | ASTM D 217 |
| Four Ball Weld load, kg | 400 | ASTM D 2783 |
| Timken OK Load, lbs | 50 | ASTM D 2509 |
| Water Washout, wt % loss @ 175 F | < 3.0 | ASTM D 1264 |
| Water Spray off, % wt | < 10 % | ASTM D 4049 |
| NLGI grade * | 2 | ASTM D 217 |
| Thickener type | Aluminum Complex | - |

**Also available in other NLGI Grades*

Typical Properties are typical of those obtained with normal production tolerance and do not constitute essentially a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

Health and Safety:

When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, www.royalmfg.com, or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.