

ARtech Packaging lubricants **AR20V-55000**

High Performance Extreme Low Temperature Lithium Grease – NLGI 0

PRODUCT DESCRIPTION

ARtech **AR20V-55000** is an extreme low temperature (Artic) grease designed to protect bearings of heavy equipment utilized in mining, excavation and logging operations. This grease exhibits the capability to protect machinery components against wear due to severe or shock loading. This grease contains lithium soap thickener formulated to provide very low pumping characteristics and is a NLGI grade 0. ARtech **AR20V-55000** grease utilizes a premium formulation of anti-wash out and oxidation additives with the added benefits of molybdenum disulfide.

Performance	Features	Benefits
	• High Load Carrying Capability	Combination of performance additives and solid film lubricant provides effective protection against wear, extreme pressures and shock loading.
	• Mechanical Shear Stability	The thickener system is specifically developed to not breakdown and soften under shearing and rolling operations.
	• Superior Low Temperature Mobility	The base oil provides for ready pumpability. Heated transfer lines are not required at temperatures as low as -45°
	• Oxidation and Thermal Stability	Oxidation resistance is provided by anti-oxidants and a base oil blend that ensures product mobility when operating temperatures decrease.
	• Water Resistance	Extreme water wash out resistance action against water spray from cooling, process and other environmental sources.
	• Superior Corrosion Protection	Inhibits the corrosion of ferrous and non-ferrous metals, which results in equipment durability and reduced cost due to down time.
	• Service Range	Lithium 12-hydroxystearate thickener provides for lubricating capability while the low pour point base oil allows for ease of bulk delivery and centralized lubricant dispensing in Artic cold weather environments.



ASTM Method	Property Description	AR20V-55000
	Appearance	Gray - Black
	Suggested operating temperatures °F	-56 to 165
D 217	Cone Penetration, 0.1 mm (range 290 – 320) Worked 60 Strokes Worked 100k strokes	355-385 +15
D 1831	Roll Stability, % penetration change	< 3.5
D 2265	Dropping Point, °C	180
D 445	Base Oil Kinematic Viscosity @ 40°C, centistokes @ 100°C, centistokes	22.0 3.7
D 2266	Shell type - Four Ball Wear, scar diameter, mm	0.55
D 2596	Four Ball Extreme Pressure, kg Load Wear Index Weld Load	42 315
D 2509	Timken OK Load, pounds	40
	Lincoln Ventmeter @ -40° F	600
D 1743	Rust Prevention	Pass

STORAGE AND HANDLING

ARtech **AR20V-55000** grease should be stored indoors. If outdoor storage is used every effort to keep environmental contaminants from accumulating on containers should be attempted. Product is not for internal consumption. ARtech **AR20V-55000** is non-irritating and non-toxic when used properly.

DISPOSABILITY

Disposal of ARtech **AR20V-55000** grease should be disposed of in accordance with local, state and federal regulations.

ADDITIONAL INFORMATION

A MSDS for this product is available upon request. Purchasers of this product are urged to review and retain this information. For additional information, evaluation samples or price quotations please contact:

the **ARtech Companies**

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