
PROCURVE™

High Performance Rail Curve Grease

SECTOR

Rail Infrastructure

AVAILABLE

USA, Canada, China, Australia, Mexico, India

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L.B. Foster Rail Technologies is recognized globally for its expertise in managing friction at the wheel/rail interface. L.B. Foster Rail Technologies has applied its knowledge of the wheel/rail interface in conjunction with rigorous scientific analysis and in-track field testing to create exceptional rail curve grease products, such as L.B. Foster's **PROCURVE™**. Our core objective is to provide our customers with products that not only consistently and reliably lubricate the rail/flange interface, but that can create additional value as well.

PROCURVE™ is specially formulated to meet the pumpability, adhesion, and load carrying requirements of a premium rail curve grease. As a highly durable grease, **PROCURVE™** can be used at lower application rates as compared to traditional rail curve lubricants. Use of **PROCURVE™** translates to a lower annual grease consumption as compared to traditional rail curve greases. Lower annual grease consumption results in less number of visits and on track time to fill lubricators. **PROCURVE™** is available summer, winter and arctic grades.



KEY BENEFITS

- > Highly durable grease which promotes extended carry distance, especially in severe Heavy Haul applications
- > Enhanced wear protection of wheels and tracks
- > Excellent adherence to track even under adverse weather conditions

KEY FEATURES

- > Petroleum-based, Lithium (Summer/Winter) or Calcium (Arctic) thickened grease with 3% Molybdenum Disulfide
- > Quality and consistency controlled under L.B. Foster Rail Technologies' ISO 9001 certified quality program
- > Available in 39.6 lb (18.0 kg) pails (with plastic liner); alternative packaging options available
- > Suitable for a variety of lubricator systems
- > Summer, Winter and Arctic grades available

TECHNICAL SPECIFICATIONS

	Method	Unit	Summer	Winter	Arctic
Product Code			601-PC4-19000	601-PC2-19000	601-PC1-19000
Appearance			Dark Gray	Dark Gray	Dark Gray
NLGI Grade			2	1	1
Penetration (Worked, 60X)	ASTM D217	0.1 mm	265-295	310-340	310-340
Base Oil Viscosity @ 40°C	IP 71/ASTM D445	cSt	220	168	35
Base Oil Viscosity @ 100°C	IP 71/ASTM D445	cSt	15	15.6	-
Dropping Point	ASTM D2265	°F (°C)	350 (177)	350 (177)	257 (125)
Measured CoF Twin Disc	EN 16028:2012 Annex L - Modified ¹		<0.15	<0.15	<0.15
Measured Grease Film Durability - Twin Disc²	EN 16028:2012 Annex L - Modified		Exceeds traditional rail curve greases	Exceeds traditional rail curve greases	Exceeds traditional rail curve greases

NOTES

1. Methodology has been adapted to apply a known (and consistent) amount of grease.
2. Measured grease film durability (Twin Disc) is a qualitative and relative assessment of rail curve grease durability under simulated load and slip conditions found in the wheel/rail contact. Products that are superior or significantly exceed a (industry) benchmark are viewed as having the ability to offer additional value to customers in the form of lower application rates or increased lubricator spacing. For additional information, please contact your L.B. Foster representative.
3. For additional technical information, please contact your L.B. Foster representative.

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