

BRAD PENN Product Bulletin

SYNTHETIC PAO EP 2 GREASE

BRAD PENN[®] Synthetic PAO EP 2 Grease is a high performance extreme pressure (EP) NLGI #2 grease. It combines synthetic polyalphaolefin (PAO) base oil with a lithium complex soap and a state-of-the-art additive system to provide extra protection and extended service life over a wider temperature range, making it an outstanding automotive and industrial grease.

BRAD PENN[®] Synthetic PAO EP 2 Grease is compounded with a PAO base oil whose wax-free nature allows for low temperature pumpability and very low starting torque values. It is formulated with a superior additive package that provides exceptional wear protection under high loads (60lb. Timken), good oxidation stability, excellent salt water resistance, and superior resistance to water washout. The unique physical properties of the synthetic base oil combined with its superior additive package, provides enhanced high and low temperature performance, while the complex thickener system delivers excellent mechanical stability and a high dropping point.

BRAD PENN[®] Synthetic PAO EP 2 Grease is ideally suited for severe automotive applications such as a wheel bearing and chassis lubrication, as well as for general automotive applications. It exceeds the requirements of ASTM D-4950 Service Classifications GC/LB. It is also recommended for high and low temperature EP industrial applications or where a Mack MG-C product is specified.

August, 2002



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BRAD PENN[®]
Synthetic PAO EP 2 Grease – Typical Properties

NLGI Grade		2
ISO Grade of Synthetic Base Oil	Test Method	46 / 68
Appearance	Visual	Smooth
Color	Visual	Light Amber
Thickener Type (soap)	ASTM D-128	Lithium Complex
Thickener Content, wt. %	ASTM D-128	10.0
Dropping Point, °F (°C)	ASTM D-2265	525 (274)
PAO Base Oil Viscosity, cSt @ 40°C	ASTM D-445	83.6
PAO Base Oil Viscosity, cSt @ 100°C	ASTM D-445	13.8
Viscosity Index	ASTM D-2270	125
Cone Penetration @ 77°F Worked, 60X Worked, 10,000X, % Change	ASTM D-217	280 ±10
Oil Separation, % (max)	ASTM D-1742	10
Water Washout, wt. % loss @ 175°F	ASTM D-1264	8
Rust Prevention, rating	ASTM D-1743	Pass
Bomb Oxidation after 100hrs, psi drop	ASTM D-942	3
Four-Ball Weld Point, kgf (min)	ASTM D-2596	250
Timken OK Load, lbs.	ASTM D-2509	60
Product Code		7813