



Manual GL-4 80W-90

Manual Transmission Fluid

Description

Castrol Manual GL-4 80W-90 may be used in applications where API GL-4 performance is required.

Advantages

- Good thermal stability protects against deposit formation and oil thickening maintaining the life and performance of lubricant and transmission.
- Good antiwear and load carrying characteristics extend the life of components.
- Improved low temperature protection and gear shifts compared to monograde products.

Typical Characteristics

Name	Method	Units	Manual GL-4 80W-90
Density @ 15C, Relative	ISO 12185	g/ml	0.89
Viscosity, Kinematic 100C	ASTM D445	mm ² /s	13.9
Viscosity, Kinematic 40C	ASTM D445	mm ² /s	142
Viscosity Index	ASTM D2270	None	101
Pour Point	ASTM D97	°C	-30
Viscosity, Brookfield @ -26C (80W)	ASTM D2983	mPa.s (cP)	120000
Flash Point, COC	ISO 2592	°C	234

Product Performance Claims

API GL-4

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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Castrol (UK) Limited, PO BOX 354, Chertsey Road, Sunbury On Thames, Middlesex, TW16 9AW

www.castrol.com