



## 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 <sup>2</sup> /s	13.9
Viscosity, Kinematic 40C	ASTM D445	mm <sup>2</sup> /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

Manual GL-4 80W-90

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