

TRANSMISSION FLUID



PENTOSIN FFL-3

Fully Synthetic Double Clutch (PDK) Transmission Fluid

DESCRIPTION

Pentosin FFL-3 is the only approved first fill and service fill transmission fluid for the new generation of Porsche double clutch gear transmissions (PDK). Pentosin FFL-3 is founded on a fully synthetic base oil technology for safe operation at even the highest thermal load. FFL-3 features a special clutch friction performance which makes it mandatory to be applied solely to the double clutch gear box – do not mix with any other gear oils. Pentosin FFL-3 can be used where BMW MTF-LT-5 manual transmission fluid is specified.

PRODUCT ATTRIBUTES

Appearance	Amber/Clear
Density at 15°C	842 kg/m ³
Density at 20°C	840 kg/m ³
Kinematic Viscosity at 100°C	7 mm ² /s
Kinematic Viscosity at 40°C	34.7 mm ² /s
Kinematic Viscosity at 20°C	68 mm ² /s
Viscosity Index	168
Dynamic Viscosity at -40°C	7400 mPa*s
Pour Point	-54°C/-65.2°F
Flash Point	220°C/428°F
Boiling Point	>200°C/>392°F
pH Value	N/A

SIZE	PART NUMBER	GTIN-13
1 Liter	1052107	4008849174117
20 Liter	1052208	4008849174124

OE REFERENCE NUMBERS/RECOMMENDATIONS

Make	Reference Number
BMW	83 22 2 156 969
BMW	83 22 2 239 654
BMW	83 22 2 239 655
Porsche	000 043 305 13
Porsche	000 043 305 14
Porsche	000 043 207 29
Porsche	000 043 207 30

APPROVALS/SPECIFICATIONS

Organization Name	Specification Met
Porsche	0000043020
ZF	TE-ML 11

Always consult the vehicle owner's manual to identify fluid specification requirements. MSDS available to professional repair technician upon request.

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OE-quality brands for import applications.