

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.

© CRP Industries Inc. Pentosin is a trade name of FUCHS Schmierstoffe GmbH. All rights reserved.

DISCLAIMER: CRP Industries Inc. has made every effort to assure the accuracy of the information on this product data sheet. Neither CRP Industries Inc., nor its affiliates assume responsibility for any loss or damage due to any errors, omissions, or manufacturing changes.

PENTOFFL3-112917



OE-quality brands for import applications.