

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.

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

### PRODUCT ATTRIBUTES

Appearance	Amber & Clear
Density at 15°C	842 kg/m <sup>3</sup>
Density at 20°C	840 kg/m <sup>3</sup>
Kinematic Viscosity at 100°C	7 mm <sup>2</sup> /s
Kinematic Viscosity at 40°C	34.7 mm <sup>2</sup> /s
Kinematic Viscosity at 20°C	68 mm <sup>2</sup> /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

### OE REFERENCE NUMBERS/RECOMMENDATIONS

Make	Reference Number
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 installer upon request.

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