



Pentosin FFL - Racing

Double Clutch Transmission Fluid for Nissan GT-R

Description

Pentosin FFL - Racing is a special fully synthetic transmission fluid, which has been exclusively developed for the application in the new Nissan GT-R R35 double clutch transmission (DCT). This transmission is a highly sophisticated, complex high tech aggregate which puts extremely demanding requirements onto the transmission fluid.

Pentosin FFL - Racing has been completely new developed and specifically optimized in cooperation with tuners and racers of Nissan GT-R R35 owners to satisfy the various challenging specific GT-R R35 DCTF-performance requirements.

For a perfect DCT-operation it should therefore by all means be avoided that **Pentosin FFL - Racing** is being mixed with any other transmission fluid during service.

To ensure a perfect long lasting DCT operation, **Pentosin FFL - Racing** has been specifically developed to resist against the unusually high thermal Nissan GT-R R35 sports gear requirements.

To avoid noisy stick slip effects (shudder) of the clutches when starting and at high temperatures its friction characteristics has been adjusted accordingly. All crucial DCTF performance criteria as e.g. cold flow performance, shear stability, evaporation loss and wear stability have been lifted to highest possible levels.

Classification

The product is not classified as dangerous.

Pentosin FFL - Racing		Typical Data	
	Unit	Result	Method
Appearance		bright and clear	DIN 10964
Density at 15 °C	kg/m ³	844	DIN EN ISO 12185
Kinematic Viscosity at 100 °C	mm ² /s	6.5	DIN EN ISO 3104
Kinematic Viscosity at 40 °C	mm ² /s	31.6	DIN EN ISO 3104
Viscosity Index		166	DIN ISO 2909
Dynamic Viscosity at -40 °C	mPa*s	6400	ASTM D2983
Flash Point COC	°C	223	DIN EN ISO 2592
Pour Point	°C	<-60	ISO 3016
Evaporation Loss 1h at 200 °C	mass %	3.7	DIN 51 581-1
Taper Roller Bearing Test, shear loss (192 h)	%	3.9	CEC-L-45-A-99
Taper Roller Bearing Test, Viscosity after Shear (192 h)	mm ² /s	6,2	CEC-L-45-A-99
FZG Wear Test A10/16.6R/90	Failure Load Stage	9	DIN ISO 14635-1

This product may not be available at all locations. For more information, please call us at +49 4103-9134-0 or visit us at www.pentosin.com
 Due to continual product research and development, the information contained herein is subject to change without notification. Typical data may vary slightly.