

Semperit Industrial Applications – Industrial Hoses

27.05.2024 – V7

Application / Anwendung	Hose type / Schlauchtype	Standard	Mineral Oil - max. aromatics**				Diesel / Biodiesel / Synthetic Diesel					Gasoline / Benzin				Gas	
			30%	40%	50%	60%	B7 (EN590)	B20	Biodiesel (B100/FAME)	HVO100	GTL	E5 (EN 228)	E10	E85	E100	LPG	CNG
Vehicle Fuel <i>Treibstoffschlauch Fahrzeug</i>	FUB	SAE J30 R2/R6	S	S	S	S	S	S	S	S	S	S	S	S	S	X	X
	FMO	see remark*	S	S	S	S	S	S	S	S	S	S	S	S	S	X	X
	FMS	see remark*	S	S	S	S	S	S	S	S	S	S	S	S	S	X	X
	FUE	see remark*	S	S	S	X	S	S	C	X	X	S	S	C	C	X	X
	FPB R67/R110	ECE R67/R110	X	X	X	X	X	X	X	X	X	X	X	X	X	S	S
	FPB	see remark¹	X	X	X	X	X	X	X	X	X	X	X	X	X	S	X
Petrol Pump <i>Zapfstellenschlauch</i>	TEF 1360	EN 1360	S	S	S	S	S	S	S	X	X	S	S	S	S	X	X
	TEU 1360	EN 1360	S	S	S	S	S	S	S	X	X	S	S	S	S	X	X
	TMH	see remark*	S	S	S	S	S	S	C	X	X	S	S	S	S	X	X
	TOF 319	see remark*	S	S	S	S	S	S	C	X	X	S	S	S	S	X	X
Oil / Fuel Tank Truck <i>Tankfahrzeug/Förderung</i>	TM3-D	EN 1762	S	S	S	S	S	S	S	X	X	S	S	S	S	S²	S²
	TM1	EN 1761 / EN 12115	S	S	S	S	S	S	S	S	S	S	S	S	S	X	X
	TM2	EN 1761 / EN 12115	S	S	S	S	S	S	S	S	S	S	S	S	S	X	X
	FLEXIOIL	EN 1761 / EN 12115	S	S	S	S	S	S	S	S	S	S	S	S	S	X	X
	FLEXIOIL D	EN 1761 / EN 12115	S	S	S	S	S	S	S	S	S	S	S	S	S	X	X
	TMSL corrugated	see remark*	S	S	S	S	S	S	S	S	S	S	S	S	S	X	X
	TM 30 series	see remark*	S	S	S	X	S	S	C	X	X	C	C	C	C	X	X
	TM 50 series	see remark*	S	S	S	X	S	S	C	X	X	C	C	C	C	X	X
Onshore for Oil / Fuel	TSF 16 / TSF 20	see remark*	S	S	S	S	S	S	S	X	X	S	S	S	S	X	X
Multipurpose Mineral Oil Hoses for Industrial applications <i>Vielzweck Mineralölschlauch für Industrielle Anwendungen</i>	TU 10/20/25	see remark*	S	S	S	C	S	S	C	X	C	S	S	C	C	X	X
	TU 40	see remark*	S	S	S	C	S	S	C	X	X	C	C	C	C	X	X
	TUC 10/20	see remark*	S	S	C	X	S	S	X	X	X	X	X	X	X	X	X
Oil Return	TMR4 series	SAE J517 100 R4	S	S	C	X	S	S	C	X	X	C	C	X	X	X	X
Oil Cooling	FKO	see remark*	S	S	C	C	S	S	S	X	X	X	X	X	X	X	X
Universal Multipurpose hose (Oil/Hot Water/Light Chemicals) <i>Universeller Vielzweckschlauch (Öl/Heißwasser/Leichte Chemikalien)</i>	Supreme	see remark*	S	S	C	C	S	S	X	X	X	X	X	X	X	X	X

The results and categorization in above table does not reflect the performance of the product in any specific application, but it enables to assign and select the right hose to the relevant medium used.

* For hose types not assigned to a standard, the generally applicable ASTM references were used for assessment.

**The maximum aromatic content validation is based on tests with reference fuel simulants with 30-60% aromatic content.

- 1) Transport of Propane-Butane gas for low pressure applications.
- 2) Suitable for Petrol Pump hose application as well.

Table color scheme

S: **Suitable** for continuous service in full- and empty hose systems.

C: **Conditional** might have a limited suitability in real application. Because of insufficient data in our hands, we advise to test the hose performance suitability under real conditions prior usage. In case of any questions we recommend to contact [Semperit](#) for further support.

X: **Not recommended/not suitable** means the material properties might be affected and weakened during usage.

Due to many variants of fuels and oils available in the market and their different compositions, we recommend that you contact Semperit's technical support in case of any doubt. Even when used properly, sufficient durability does not mean indefinite durability or retention of the hose's original properties.

The lifetime of a hose is influenced by internal and external criteria. The applied temperature from the environment, the temperature and the pressure with which the medium is conveyed during usage is of high importance. These influencing factors are beyond our control and cannot be assessed from the literature.

The results can be seen as a selection tool for choosing the proper hose, but does not reflect any specific applications and the conditions in real use. For critical applications we recommend to carry out a release test under real conditions to evaluate the suitability with respect to the specific application. The technical product data-sheets and the information contained therein must be followed.



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