

TO  
HYD

TRANSFER OIL  
GENERAL CATALOGUE

TO  
IND

# THERMOPLASTIC, THE HOSE CHOICE OF THE FUTURE

In general Thermoplastic hoses are well known for characteristics that are normally compared to those of rubber hoses.



### REDUCED BEND RADII

This ensures easier routing in restricted and small enveloped areas.



### LIGHTWEIGHT

Lightweight, between 30-50% of that of conventional rubber hose. Reduced diameters facilitates the use of higher capacity hose reels.



### LONGER SHELF LIFE

Will not degrade when stored under correct conditions.



### MINIMAL VOLUMETRIC EXPANSION

Due to lower elongation properties of reinforcing yarn braids. Means reduced pressure loss, faster response time of hydraulic circuits, reduced oil / fluid consumption.



### TWIN/MULTILINE

Thermoplastic hose can be bonded together as simple twin-line or in a variety of combinations of hose of differing pressures, tubes for electrical conduits or in certain applications with electrical cables. See dedicated chapter (page 53)



### EASIER HANDLING

Generally easier and cleaner handling in the workshop. Fabric braided hoses can be cut/prepared without the need for high powered cutting equipment in some cases simple hand or blade cutting equipment can be used.



SAE 100R7

# // 066 R7 ANTIABRASION



## Thermoplastic hose for hydraulic applications

from 70 to 210 bar  
(1000 to 3000 psi)



### FEATURES

#### INNER TUBE

Polyester elastomer.

#### REINFORCEMENT

One or two braids of synthetic fiber.

#### COVER

Polyurethane, black, pinpricked, white ink-jet branding.

#### APPLICATIONS

Construction and agricultural equipment // Agricultural brake systems // Forklift Trucks // Articulating and telescopic booms // Aerial platforms // Scissor lifts // Cranes // General hydraulics // Industrial gases.

#### FEATURES

Lighter, more flexible and more compact than traditional R1 hoses // Bonded construction // Abrasion resistant // Limited change in length // Pinpricked cover.

#### TEMPERATURE RANGE

-40°C to +100°C (-40°F to +212°F), limited to +70°C (+158°F) for air and water based fluids.

#### DESCRIPTION

Meets or exceeds SAE 100R7 – Medium pressure hose suitable for hydraulic applications with increased resistance to abrasion. For use with petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions like earthmoving, agricultural machinery and forklifts trucks. Also suitable for many industrial gases (check for compatibility).

#### VACUUM RATING

0,93 bar; 700 mm Hg/-13,5 psi; 27,5 inch Hg

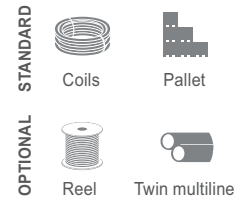
#### SPECIFICATIONS

SAE 100R7 // EN855-R7 // ISO3949-R7

### APPLICATIONS



### OTHER FEATURES



part no.	hose size			ID		OD		WP		BP		safety factor	bend radius		weight		ferrule part no.	
	dash	inch	DN	mm	inch	mm	inch	bar	psi	bar	psi		mm	inch	g/m	lbs/ft	std	A316L
0660	-2	1/8"	DN4	4,00	0,157	8,30	0,327	210	3000	840	12000	4:1	25	0,98	45	0,030	SAB101	SAB801
0661	-3	3/16"	DN5	5,00	0,197	9,60	0,378	210	3000	840	12000	4:1	25	0,98	60	0,040	SAB111	SAB811
0662	-4	1/4"	DN6	6,50	0,256	12,20	0,480	210	3000	840	12000	4:1	35	1,38	100	0,067	SAB121	SAB821
0663	-5	5/16"	DN8	8,10	0,319	14,30	0,563	190	2700	760	10800	4:1	45	1,77	130	0,087	SAB131	SAB831
0664	-6	3/8"	DN10	9,70	0,382	16,00	0,630	160	2300	640	9200	4:1	55	2,17	145	0,097	SAB141	SAB841
0665	-8	1/2"	DN12	13,00	0,512	20,30	0,799	140	2000	560	8000	4:1	75	2,95	220	0,148	SAB151	SAB851
0666	-10	5/8"	DN16	16,30	0,642	23,70	0,933	105	1500	420	6000	4:1	110	4,33	280	0,188	SAB161	SAB861
0667	-12	3/4"	DN20	19,50	0,768	27,10	1,067	90	1300	360	5200	4:1	140	5,51	335	0,225	SAB171	SAB871
0668	-16	1"	DN25	25,90	1,020	34,00	1,339	70	1000	280	4000	4:1	190	7,48	455	0,306	SAB181	SAB881

### BRANDING

TRANSFER OIL - TO HYDRAULIC - <PART No> - R7 ANTIABRASION - <NORMATIVE><DASH SIZE> - <INCH SIZE> - <DN SIZE> - WP <WP bar> bar / <WP psi> - MADE IN ITALY - www.transferoil.com <www.transferoil.com> - <BATCH No>



MEDIUM PRESSURE

PILOT FL

SAE 100R7

ANSI A92.2

1SB  
STEEL BRAID

SAE 100R8

HR8

2SB-TWO  
STEEL BRAIDS

HDH

SAE 100R18  
CPLT 3000

CPLT 3600

CPLT 5000

CPHR 5000

VHP

OFF SHORE  
MASTER

MICRO BORE

TWIN HOSES

TO HYDRAULIC

22