

Superflex PU Plus HM/R



POLYURETHANE (PU) hose with copper-plated steel spiral sheathed in PU for suction and transport of dust, chips and abrasive material.

Smooth surface	★★★★★
Flexibility	★★
Abrasion Resistance	★★★★★
Temperature range	-40 °C 90 °C
Chemical Resistance	PU Table
Crushing Resistance	★★★★
Ozone Resistance	★★★★★
ATEX	According to the directions for use
For Food	EU according to Declaration of Conformity. Complies with FDA 21 CFR 177.2600 par. "d" for dry foodstuff.
O-Phtalate Free	★★★★★
Phtalate Free	★★★★★

Ø nominal mm	Ø nominal inch	Ø i.d. mm	Ø o.d. mm	working pressure at 23 °C bar	vacuum 23 °C m/H ₂ O	bending radius mm	wall thickness mm	Ø steel wire mm	spiral pitch mm	spiral direction	weight meter g/m	coil length m	Part no.
29		29.8	38.3	3.3	9	60	1.3	1,4x1,8	13	left	320	20	CAFSPUPHMR029*
30		30.5	39	3.3	9	60	1.3	1,4x1,8	13	left	320	20	CAFSPUPHMR030*
32	1.1/4	32.5	41	3.1	9	65	1.3	1,4x1,8	13	left	350	20	CAFSPUPHMR032*
35		35.5	44	2.8	9	70	1.3	1,4x1,8	13	left	400	20	CAFSPUPHMR035*
38	1.1/2	38.5	48	2.7	9	75	1.3	1,4x1,8	13	left	440	20	CAFSPUPHMR038
40		40.5	50	2.6	8	80	1.3	1,4x1,8	13	left	460	20	CAFSPUPHMR040
45	1.3/4	45.5	55	2.4	8	90	1.3	1,4x1,8	13	left	530	20	CAFSPUPHMR045*
50	2	50.5	60	2.2	8	100	1.4	1,6x2	14	left	620	20	CAFSPUPHMR050
51		51.5	60.5	2.2	8	100	1.4	1,6x2	14	left	620	20	CAFSPUPHMR051*
55		55.5	65	2	7	110	1.4	1,6x2	14	left	680	20	CAFSPUPHMR055*
60		60.5	70	1.8	7	120	1.4	1,6x2	14	left	720	20	CAFSPUPHMR060
61		61.5	71	1.8	7	120	1.4	1,6x2	14	left	730	20	CAFSPUPHMR061*
63	2.1/2	63.5	73	1.7	7	130	1.4	1,6x2	14	left	750	20	CAFSPUPHMR063
65		65.5	75	1.7	7	130	1.4	1,6x2	14	left	800	20	CAFSPUPHMR065*

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70		70.5	80	1.6	5	140	1.45	1,8x2,2	15	left	950	20	CAFSPUPHMR070
76	3	76.5	86	1.5	5	150	1.45	1,8x2,2	15	left	1000	20	CAFSPUPHMR076
80		80.5	90	1.4	5	160	1.45	1,8x2,2	15	left	1050	20	CAFSPUPHMR080
90	3.1/2	90.5	100	1.2	5	180	1.45	1,8x2,2	15	left	1150	20	CAFSPUPHMR090
100		100.5	111	1.1	4	200	1.5	2x2,5	16	left	1350	15	CAFSPUPHMR100
110		110.5	121	1	4	220	1.5	2x2,5	16	left	1450	15	CAFSPUPHMR110
115		115.5	126	1	4	230	1.5	2x2,5	16	left	1550	15	CAFSPUPHMR115*
120		120.5	131	0.9	4	240	1.5	2x2,5	16	left	1630	15	CAFSPUPHMR120
127	5	127.5	138	0.9	3	260	1.5	2x2,5	16	left	1800	15	CAFSPUPHMR127
130		130.5	141	0.8	3	270	1.5	2x2,5	16	left	1850	15	CAFSPUPHMR130
140		140.5	151	0.8	3	280	1.5	2x2,5	18	left	1900	15	CAFSPUPHMR140
150		150.5	161	0.8	3	300	1.5	2x2,5	18	left	2050	10	CAFSPUPHMR150
160		160.5	171	0.8	2	320	1.5	2x2,5	18	left	2200	10	CAFSPUPHMR160
175		175.5	186	0.7	2	350	1.5	2x2,5	18	left	2350	10	CAFSPUPHMR175*

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180		180.5	191	0.7	2	360	1.5	2x2,5	18	left	2450	10	CAFSPUPHMR180
200		201	212	0.6	2	400	1.6	2,5x3	19.8	left	3200		CAFSPUPHMR200
250		251	262	0.5	2	500	1.6	2,5x3	20.5	left	3800		CAFSPUPHMR250
300		301	312	0.4	2	600	1.6	2,5x3	22	left	4500		CAFSPUPHMR300*
350		352	366	0.3	1.8	700	1.8	3x3,5	25	left	6000		CAFSPUPHMR350*
400		402	416	0.2	1.2	800	1.8	3x3,5	24.5	left	7000		CAFSPUPHMR400*

* Availability: On demand

All technical specifications apply to a temperature of 23° C ± 2° C (ISO 291)

All technical specifications contained herein are provided for reference purposes only.

For further details regarding our products' specifications, please refer to the relevant products' data sheets or contact your sales representative.

 <p>MERLETT TECNOPLASTIC SPA Via XXV Aprile, 16 - 21020 Daverio (VA) Tel. +39 0332 942111 / +39 0332 947373 Fax +39 0332 949506 Capitale Sociale € 3.000.000 REA N. 100622 VA - N. Mecc. VA 000987 Reg. Impr. di Varese, P.I./C.F./VAT: IT 00212770127 www.merlett.com - industrial-hose.IT@continental.com</p>	<h2>DECLARATION OF CONFORMITY</h2>
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We hereby declare that the hoses:

913023.....00	SUPERFLEX PU PLUS H
913048.....19	SUPERFLEX PU PLUS HP/R
913064.....00	SUPERFLEX PU PLUS HM/R

are suitable for contact with aqueous, acid and alcoholic (up to 20%) foods and dry foods for which A, B, C and E simulants are provided, for a maximum of 2 hours repeated contact at the maximum temperature of 70°C.

The hoses are devices suitable for the passage of fluids and therefore should not be used for food storage. Avoid contact of food with the heads and outer surface of the hoses. The hoses must be sterilised prior to use by the end user.

The products are made of Polyurethane Polyester reinforced with a metal spiral (copper-plated steel, copper-plated steel coated with PU, PVC coated steel). Inside surface: smooth or slightly corrugated according to versions; outside surface with spiral in relief.

In compliance

with the following EU legislation: Directive 1978/142/ EEC; Regulation 1935/2004/EC; Regulation 1895/2005/EC (epoxy derivatives); Regulation 2023/2006/EC (GMP); Regulation 10/2011/EC and sub. amend.
and the following Italian legislation: Ministerial Decree 21/03/1973 and subsequent amendments and changes; Presidential Decree 777/1982 and subsequent amendments and changes.

The items mentioned above were manufactured exclusively with substances (monomers, pigments and additives) indicated in the positive lists of the above legislation. The material contains substances subject to restrictions in the laws mentioned and are listed below:

NAME	Ref. No	CAS No.	SML (mq/kg)
Not declarable substance n. 1, 2	(*)	(*)	(*)

(*) compound under secret agreements and non declarable by the supplier; information made by confidentiality agreements.

Test conditions:

Simulant B: acetic acid at 3% in aqueous solution	Time and Temperature: 2 hours at 70°C (repeated use)
Simulant C: ethanol at 20% in aqueous solution	Time and Temperature: 2 hours at 70°C (repeated use)
Simulant E: modified poly phenylene oxide (MPPPO)	Time and Temperature: 2 hours at 70°C (repeated use)

The simulants and test conditions were chosen according to Regulation 10/2011/UE (annex III tab. 1 and annex V tab.3) sub. updates

The analytical tests were conducted in accordance with Regulation 1935/2004/EC, Regulation 10/2011/UE and Italian Ministerial Decree (D.M.) 21/03/1973 on the liquid coming from contact with a representative sample in modality "Article Filling" with maximum contact surface / volume ratio of 1,33 (dm²/dl) (simulant B,C) and 0,25 (dm²/g) (simulant E) respecting the test conditions mentioned above. To verify compliance with regulations, the calculations were made assuming that 1 kg of food comes into contact with 6 dm² of material.

According to experimental data and/or theoretical calculations such substances comply with the requirements of Article. 11 of Regulation 10/2011/UE paragraph 3, letters "a" and "b"; of Italian Ministerial Decree (D.M.) 21/03/1973.

The global migration limit, with the other restrictions (metals, primary aromatic amines according to Regulation 10/2011/UE annex II point 1.2) and the substances above mentioned, respect the limits of the same legislation updated to Regulation 1245/2020/UE.

In accordance with the statements received from our suppliers regarding the raw materials used in the current formulation of the above-mentioned hoses, the substances defined as "Biocides" (Regulation 528/2012/UE and subsequent additions) are not intentionally added during the production of the hoses.

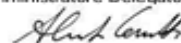
Dual-use additives. There are no substances in the hose regulated by Regulations 1333/2008/EC (food additives) and 1334/2008/EC (flavourings) and subsequent updates

The declaration refers only to the suitability for contact with foodstuffs with the limitations indicated above.

This declaration will be updated in the event of changes in formulation of the material or if the legislative references are modified and updated so as to require a new check for compliance.

Daverio, 21.04.2022

Amministratore Delegato / CEO



Alessandro CERUTTI



We hereby declare that the hose

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913048.....19	SUPERFLEX PU PLUS HP/R
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is made of Polyurethane Polyester reinforced with a metal spiral (copper-plated steel, copper-plated steel coated with PU, PVC - coated steel). Inside surface: smooth or slightly corrugated according to versions; outside surface with spiral in relief.

The hoses are devices suitable for the passage of fluids and therefore should not be used for food storage. Avoid contact of food with the heads and outer surface of the hoses. The hoses must be sterilised prior to use by the end user.

In compliance with the following U.S.A. legislation:

Code of Federal Regulation (CFR) Title 21 (Food and Drugs) Chapter I (Food Drug Administration - FDA -) subchapter B part. § 177 subpart C section 177.2600 (Rubber articles intended for repeated use) point (d)

The above-mentioned items were manufactured exclusively with substances (monomers, pigments and additives) indicated in the positive lists of the above legislation.

According to experimental data and/or theoretical calculations, these substances comply with the requirements CFR Title 21 (Food and Drugs) Chapter I (FDA) subchapter B part. § 177 subpart C section 177.2600 (Rubber articles intended for repeated use) for objects intended for passage of dry foods (no tests with simulants are required).

The declaration refers only to the suitability for contact with foodstuffs with the a.m. restrictions.

This declaration will be updated in the event of changes in formulation of the material or if the legislative references are modified and updated so as to require a new check for compliance.

Daverio, 21.04.2022

Amministratore Delegato / CEO



Alessandro CERUTTI