






Product Specifications

NON-BREATHABLE CONNECTORS (Polyurethane)					
	Seeflex 020E	Seeflex 040E	Seeflex 040AS	Camlon (inner layer is as per Seeflex 040E)	Flexi
					
Material	Ether based thermoplastic polyurethane	Ether based thermoplastic polyurethane	Ether based thermoplastic polyurethane with Anti-static infusion	Polyester fabric with E-PVC coating	Ether based thermoplastic polyurethane with 316 stainless steel wire coil
Colour	Transparent	Transparent	Transparent	White	Transparent
Hardness (Shore A)	90	90	90	N/A	90
Temperature range (Continuous)	-25 - 80°C / -13 - 176°F	-25 - 110°C / -13 - 230°F	-25 - 95°C / -13 - 203°F	70°C / 158°F	-20 - 85°C / -4 - 185°F
Temperature range (Surge)	100°C / 212°F	120°C / 248°F	100°C / 212°F	-	-
Surface	Gloss/Gloss	Gloss/Gloss	Gloss/Gloss	Gloss/Gloss	Gloss/Gloss
FDA Approved	CFR 177.1680 & 177.2600	CFR 177.1680 & 177.2600	CFR 177.1680 & 177.2600	CFR 21 177.1550 (inner Seeflex 040E)	CFR 177.1680 & CFR 21 177.1550 (adhesives) & 177.2600
3A Certified	Yes (20-)	Yes (20-)	-	Yes (20-) (inner Seeflex 040E)	Yes (20-)
EU Approved	EC 1935/2004, 2023-2006 & 10/2011	EC 1935/2004, 2023-2006 & 10/2011	-	EC 1935/2004, 2023-2006 & 10/2011 (inner Seeflex 040E)	EC 1935/2004, 2023-2006
ATEX Certified	Approved for all dust explosion hazardous areas. Some restrictions apply.	Approved for all dust explosion hazardous areas. Some restrictions apply.	Approved for all dust explosion hazardous areas. Some restrictions apply.	-	-
Thickness	0.35 mm / 1/64 inch	0.9 mm / 1/32 inch	0.9 mm / 1/32 inch	0.45mm / 1/64 inch (Camlon layer)	0.6 mm / 1/32 inch - 0.7mm / 1/32 inch (depending on diameter)
Surface Resistance (Ohms)	10 ¹⁰	10 ¹⁰	10 ⁸	NA	NA
Air Permeability	0	0	0	0	0
Application	<ul style="list-style-type: none"> ●Lightweight media specifically designed for load and weigh scale type equipment. ●No memory so will not fracture as a result of constant flexing. ●Excellent abrasion resistance. 	<ul style="list-style-type: none"> ●Used for most static, vibratory and gyratory sifters, screeners, feeders, bin dischargers, hoppers, conveyors, packing equipment. ●No memory so will not fracture as a result of constant flexing. ●Greater resistance to chemical and UV conditions as well as liquid and CIP. ●Excellent strength and abrasion resistance. 	<ul style="list-style-type: none"> ●Applications where static is a problem. ●Applications with explosion risks and for metal detection. ●No memory so will not fracture as a result of constant flexing. ●Excellent abrasion, chemical and puncture resistance. 	<ul style="list-style-type: none"> ●For over-pressure situations up to 1.3 bar (tested on a static 250mm diameter x 200mm long connector)* ●The Camlon outer layer restricts the Seeflex 040E inner layer of the sleeve from stretching. <p><i>*Engineering adjustments should be made for changes in diameter. For adjustments in length or non-static applications, contact BFM®.</i></p>	<ul style="list-style-type: none"> ●Ideal for bag feeders, filling heads or bulk bag feeders where connector needs to remain open. ●CIP safe, excellent microbial resistance. ●Very flexible & lightweight, tight bend radius. ●Good mechanical strength. ●Good hydrolytic stability.
Tensile Strength	78 MPa	40 MPa	37 MPa	20 MPa	34 MPa
Ultimate Elongation	644%	593%	450%	19-21%	-
Tear Strength - Die C (N)	17	67	51	NA	NA
100% Modulus (MPa)	8.3	8	7.5	NA	NA
300% Modulus (MPa)	18.4	15.6	11.7	NA	NA