



Sling Technical Data



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Seated Sling Test Data

Advantage Reusable



- Gentle against the patient's skin
- Easy to use, comfortable design
- Allows for maximum air flow and breathability while maintaining strength
- Engineered to wick and pull excess moisture away from the patient's skin
- Extremely durable and cost-effective
- User friendly, intelligent strapping designed to facilitate use with most patient lifts, hospital beds and gurneys
- Extremely versatile, while providing maximum comfort for the patient

Breathability:

Independent laboratory testing was performed on our Advantage fabric utilizing the ASTM International D737-18 Standard Test Method for Air Permeability of Textile Fabrics. The laboratory tested ten different samples to determine the air permeability of our fabric. The final measurement is the average air permeability in cubic feet per minute (cfm).

FABRIC	AIR PERMEABILITY
MedCo Advantage	31.740 cfm

Part No.: SHB-ADV-(S,M,L,XL,2XL) - Seated High Back Sling 600 lb (272 kg)

Part No.: SHBC-ADV-(S,M,L,XL,2XL) - Seated High Back Clip Sling 600 lb (272 kg)



Seated Sling Test Data

Advantage Reusable



Moisture Wicking (Absorption):

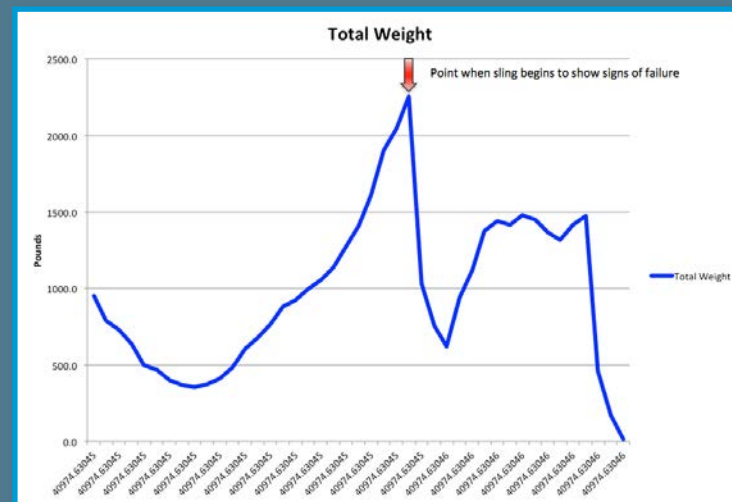
To demonstrate how the Advantage fabric pulls moisture away from the patient's body, MedCo Technology measured the absorption of the Advantage fabric by dispensing 1cc of water onto a fabric sample from a height of 1" and measuring the elapsed time from water contact to complete absorption and complete dispersion. By wicking the moisture away from the patient's body the Advantage seated sling provides a much more comfortable experience for the patient, without fear of skin irritation or breakdown.

FABRIC	TIME UNTIL COMPLETE ABSORPTION OF 1cc H2O (Min:Sec.Sec)	TIME UNTIL COMPLETE DISPERSION OF 1cc H2O (Min:Sec.Sec)	WET AREA CIRCUMFERENCE - TOP SURFACE	WET AREA CIRCUMFERENCE - BOTTOM SURFACE
MedCo Advantage	00:03.2	01:00.4	4.2" Circle	4.2" Circle
Competitor	28:10.5	Water was being absorbed in a cross pattern throughout entire 28 minutes. Cross shape was approximately 5"x5" when last of water was absorbed into the fabric.		



Load Testing:

After performing the 20 minute hang test at 1.5 times the weight capacity of the sling, in accordance with International Standard ISO 10535, MedCo Technology then completes dynamic load cell testing designed to push the sling to its limits and ensure sling strength and safety during the most challenging conditions. The Advantage Seated Sling reached over 3 times the weight listed on the sling before showing signs of distress.



Repositioning Sling Test Data

Apex Reusable



- Easy to use, comfortable design allows for a variety of patient positions
- Allows for maximum air flow and breathability while maintaining strength
- Engineered to wick and pull excess moisture away from the patient's skin
- Gentle against the skin; may be left under the patient and used with specialty wound care, low air loss and bariatric mattresses
- Controlled elasticity, allows fabric to conform to the patient's body, without creating pressure areas or ridges from folds in the fabric

Breathability:

Independent laboratory testing was performed on our Apex fabric utilizing the ASTM International D737-18 Standard Test Method for Air Permeability of Textile Fabrics. The laboratory tested ten different samples to determine the air permeability of our fabric. The final measurement is the average air permeability in cubic feet per minute (cfm).

FABRIC	AIR PERMEABILITY
MedCo Apex	158.100 cfm

REP-APEX-STD Standard 42" x 72" (107 cm x 183 cm) 700 lb (318 kg)

REP-APEX-STD-X Standard Extended 42" x 80" (107 cm x 203 cm) 700 lb (318 kg)

REP-APEX-BARI-MED Bariatric Medium 46" x 78" (117 cm x 198 cm) 700 lb (318 kg)

REP-APEX-BARI-MED-X Bariatric Medium Extended 46" x 85" (117 cm x 216 cm) 700 lb (318 kg)

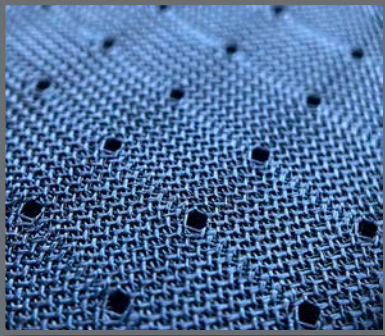
REP-APEX-BARI-LRG Bariatric Large 52" x 78" (132 cm x 198 cm) 1,000 lb (454 kg)

REP-APEX-BARI-LRG-X Bariatric Large Extended 52" x 85" (132 cm x 216 cm) 1,000 lb (454 kg)



Repositioning Sling Test Data

Apex Reusable



Moisture Wicking (Absorption):

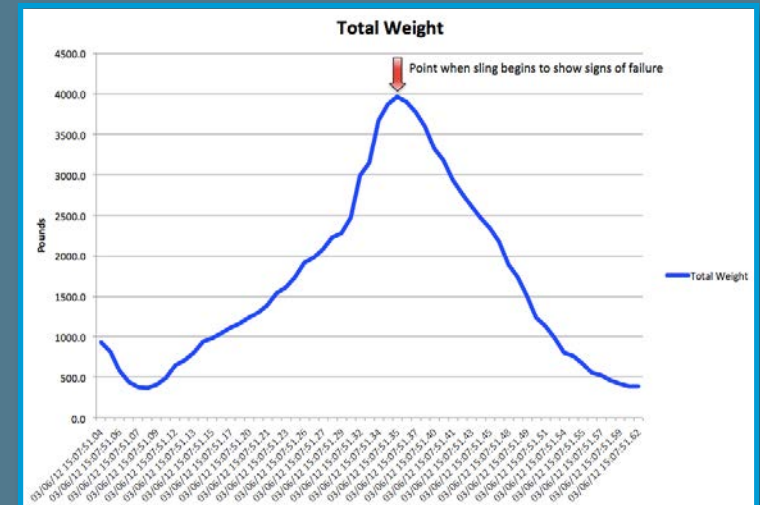
To demonstrate how the Apex fabric pulls moisture away from the patient's body, MedCo Technology measured the absorption of the Apex fabric by dispensing 1cc of water onto a fabric sample from a height of 1" and measuring the elapsed time from water contact to complete absorption and complete dispersion. By wicking the moisture away from the patient's body the Apex repositioning sling provides a much more comfortable experience for the patient, without fear of skin irritation or breakdown. NOTE: Water never pooled on the Apex surface.

Load Testing:

After performing the 20 minute hang test at 1.5 times the weight capacity of the sling, in accordance with International Standard ISO 10535, MedCo Technology then completes dynamic load cell testing designed to push the sling to its limits and ensure sling strength during the most challenging conditions. The Apex Repositioning Sling reached over 4 times the weight listed on the sling before showing signs of distress.



FABRIC	TIME UNTIL COMPLETE ABSORPTION OF 1cc H2O (Min:Sec.Sec)	TIME UNTIL COMPLETE DISPERSION OF 1cc H2O (Min:Sec.Sec)	WET AREA CIRCUMFERENCE - TOP SURFACE	WET AREA CIRCUMFERENCE - BOTTOM SURFACE
MedCo Apex	00:00.6	00:35.8	3.1" Circle	5.3" Circle
Competitor	28:10.5	Water was being absorbed in a cross pattern throughout entire 28 minutes. Cross shape was approximately 5"x5" when last of water was absorbed into the fabric.		



Repositioning Sling Test Data

Single Patient Breathable



- Easy to use, comfortable design allows for a variety of patient positions
- Allows for maximum air flow and breathability while maintaining strength
- Engineered to wick and pull excess moisture away from the patient's skin
- Gentle against the skin; may be left under the patient and used with specialty wound care, low air loss and bariatric mattresses
- Controlled elasticity, allows fabric to conform to the patient's body, without creating pressure areas or ridges from folds in the fabric

Breathability:

Independent laboratory testing was performed on our Single Patient Breathable fabric utilizing the ASTM International D737-18 Standard Test Method for Air Permeability of Textile Fabrics. The laboratory tested ten different samples to determine the air permeability of our fabric. The final measurement is the average air permeability in cubic feet per minute (cfm).

FABRIC	AIR PERMEABILITY
MedCo Single Patient Breathable	46.530 cfm

REP-1PS-STD Standard 42" x 72" (107 cm x 183 cm) 700 lb (318 kg)

REP-1PS-STD-X Standard Extended 42" x 80" (107 cm x 203 cm) 700 lb (318 kg)

REP-1PS-BARI-MED Bariatric Medium 46" x 78" (117 cm x 198 cm) 700 lb (318 kg)

REP-1PS-BARI-MED-X Bariatric Medium Extended 46" x 85" (117 cm x 216 cm) 700 lb (318 kg)

REP-1PS-BARI-LRG Bariatric Large 52" x 78" (132 cm x 198 cm) 1,000 lb (454 kg)

REP-1PS-BARI-LRG-X Bariatric Large Extended 52" x 85" (132 cm x 216 cm) 1,000 lb (454 kg)



Repositioning Sling Test Data

Single Patient Breathable



Moisture Wicking (Absorption):

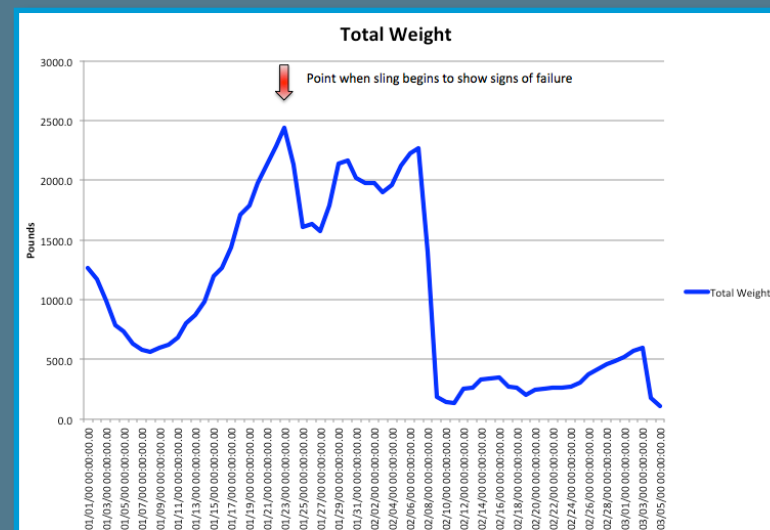
To demonstrate how the 1-Patient fabric pulls moisture away from the patient's body, MedCo Technology measured the absorption of the 1-Patient fabric by dispensing 1cc of water onto a fabric sample from a height of 1" and measuring the elapsed time from water contact to complete absorption and complete dispersion. By wicking the moisture away from the patient's body the 1-Patient repositioning sling provides a much more comfortable experience for the patient, without fear of skin irritation or breakdown.

FABRIC	TIME UNTIL COMPLETE ABSORPTION OF 1cc H2O (Min:Sec:Sec)	TIME UNTIL COMPLETE DISPERSION OF 1cc H2O (Min:Sec:Sec)	WET AREA CIRCUMFERENCE - TOP SURFACE	WET AREA CIRCUMFERENCE - BOTTOM SURFACE
MedCo 1-PS Breathable	00:01.1	00:32.4	1.5" Circle	5.0" Circle
Competitor	28:10.5	Water was being absorbed in a cross pattern throughout entire 28 minutes. Cross shape was approximately 5"x5" when last of water was absorbed into the fabric.		



Load Testing:

After performing the 20 minute hang test at 1.5 times the weight capacity of the sling, in accordance with International Standard ISO 10535, MedCo Technology then completes dynamic load cell testing designed to push the sling to its limits and ensure sling strength and safety during the most challenging conditions. The Single Patient Repositioning Sling reached over 3 times the weight listed on the sling before showing signs of distress.



Seated Sling Test Data

Flight Satin Single Patient



- Easy to use, comfortable design
- Constructed from a durable, moisture sealed flight satin
- Designed for maximum lifespan or patient use cycle
- Our fabric allows caregivers to spot clean as needed
- Offers the same benefits as seen with other MedCo Technology products, but allows the caregiver to dispose of the product upon discharge or when the sling becomes soiled rather than laundering

Breathability:

The moisture sealed Flight Satin is not breathable and therefore is not appropriate to be left underneath the patient when not in use.

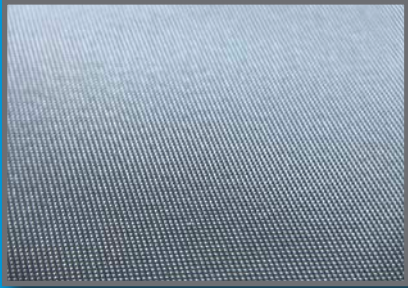


Part No.: SHB-1PS (S,M,L,XL) - 1 Patient Seated High Back Sling 600 lb (272 kg)

Part No.: SHBC-1PS (S,M,L,XL) - 1 Patient Seated High Back Clip Sling 600 lb (272 kg)



Seated Sling Test Data Flight Satin Single Patient

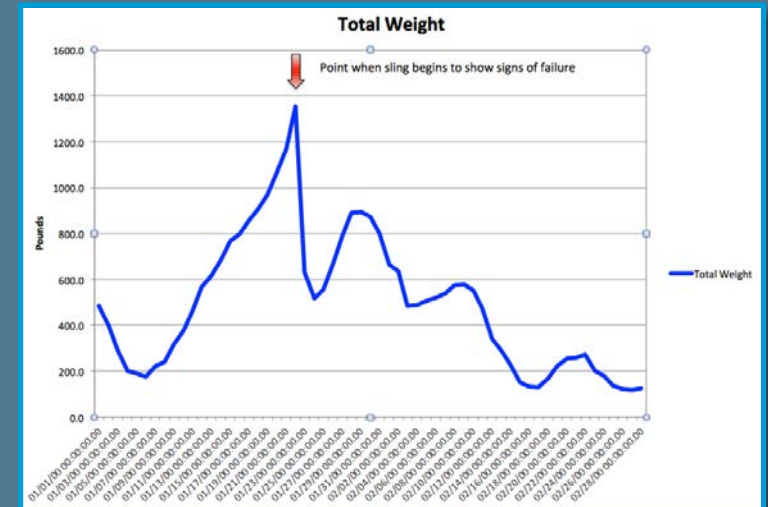


Moisture Wicking (Absorption):

Because the 1-Patient Seated sling is moisture sealed allowing it to be wiped clean, it does not wick moisture.

Load Testing:

After performing the 20 minute hang test at 1.5 times the weight capacity of the sling, in accordance with International Standard ISO 10535, MedCo Technology then completes dynamic load cell testing designed to push the sling to its limits and ensure sling strength and safety during the most challenging conditions. The Single Patient Seated Sling reached over 2 times the weight listed on the sling before showing signs of distress.



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...on our website at medcotech.com

...by email at info@medcotech.com

...toll-free by phone at 855.475.4647

