



STEAM FILL POWER ANALYSIS BULK DOWN - Washed in USA, Shipped to China

30 samples of bulk down claiming to be 700 Fill Power were tested under the following conditions:

1. The down was washed, dried, and sorted in a USA down factory.
2. The USA factory tested fill power immediately in its own lab (72-hour Box Conditioning).
3. The USA down factory immediately sent a sample to IDFL.
4. IDFL tested the sample using Tumble Dry Conditioning.
5. The USA down factory sent bulk down to a Chinese garment manufacturer.
6. The Chinese garment manufacturer sent a sample of the bulk down to IDFL USA for testing.
7. IDFL tested the sample from China using both Tumble Dry and Steam Conditioning.

Description of Fill Power Test	Conditioning Method	Average Fill Power of the 30 samples	% Change from the original USA factory fill Power
Original Fill Power as tested by the USA down factory immediately after washing, drying, and sorting	Box	704	NA
Fill Power tested on down sent by USA down factory to IDFL USA	Tumble Dry	714	1.4%
Fill Power tested on bulk down that was shipped to China (sample sent to IDFL USA by Chinese garment manufacturer)	Tumble Dry	643	-8.7%
Same sample as above	Steam	695	-1.3%



STEAM FILL POWER ANALYSIS

BULK DOWN - Washed in USA, Shipped to China

ANALYSIS OF SAMPLES

1. Washed in the USA, and tested immediately in factory.
2. Sent to IDFL for testing.
3. Down packed and shipped to China for assembly.
4. Sample sent from China to IDFL for testing.

Chinese ID *	Type	IDFL # Sample sent from China	USA Factory Lot #	IDFL # Sample sent from USA	Tumble Dry FP by IDFL Sample from China	Steam FP by IDFL Sample from China	Tumble Dry FP by IDFL Sample from USA	Box FP Tested by Factory in Factory USA Lab	Content Tested by IDFL from China Sample	Content Tested by IDFL from USA Factory	Content Tested by Factory in Factory USA Lab
AX-04-12	WGD	04-69757			640	690			84 %		
AX-04-13	GGD	04-69758			650	710			81 %		
AX-04-14	WGD	04-69893			640	700			83 %		
AX-04-15	WGD	04-69894			620	710			82 %		
AX-04-16	GGD	04-69897			550	600			78 %		
AX-04-17	WGD	04-69895			610	680			83 %		
AX-04-18	WDD	04-69896									
AX-04-19	GGD	04-70323			630	700			83 %		
AX-04-20	GGD	04-70324			750	770			91 %		
AX-04-21	GGD	04-70325			650	730	740	720	85 %	86 %	86 %
AX-04-22	GGD	04-70326									
AX-04-23	GGD	04-70327			660	660	750	700	86 %	85 %	87 %
AX-04-24	GGD	04-70328			640	640		690	84 %		87 %
AX-04-25	GGD	04-70329			650	710		730	83 %		89 %
AX-04-26	WGD	04-70595			690	720	640	660	85 %	76 %	82 %
AX-04-27	GGD	04-70596			660	720	710	685	84 %	85 %	89 %
AX-04-28	GGD	04-70597			670	720	710	700	85 %	85 %	89 %
AX-04-29	GGD	04-71201			670	710	690	700	86 %	86 %	85 %
AX-04-30	GGD	04-71202			620	670	690	700	85 %	87 %	87 %
AX-04-31	GGD	04-71198									
AX-04-32	WGD	04-71199			630	710	720	700	84 %	88 %	86 %
AX-04-33	GGD	04-71203			650	710			85 %		
AX-04-34	GGD	04-71200			630	660	630	630	81 %	77 %	77 %
AX-04-35	GDD	04-71204					870	820	85 %	92 %	93 %
AX-04-36	GDD	04-71205			620	670	730	700	82 %	87 %	90 %
AX-04-37	GGD	04-71278			640	700	720	720	81 %	86 %	87 %
AX-04-38	GGD	04-71277			630	700	650	680	76 %	83 %	86 %
Average Results					643	695	712	702	83%	85%	87%