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Material Testing · Non Destructive Testing
Product Evaluation · Construction Materials

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Accelerated Use Testing Conducted on 4 Pillow Constructions				
Pillow ID	Comfort Sleep	Perfect Balance	Pacific Coast	Natural Balance
40% IFD Before	8.9 lbs	6.1 lbs	7.5 lbs	8.5 lbs
40% IFD After	8.8 lbs	6.1 lbs	6.8 lbs	7.6 lbs
% Difference	-1%	0%	-9.3%	-10.6%

TEST PROCEDURE:

The ASTM F1566-99 (part 9) Cornell test apparatus was utilized for this evaluation to approximate the loading characteristics of the human head. A 40% Indentation Force Deflection (IFD) was conducted on each pillow before and after the accelerated use testing (per ASTM D3574-03 sections 17-20). A test load of 10 pounds was used with 10,000 cycles applied to each product. At the completion of each test the respective pillow was allowed to recover for a period of 60 minutes prior to obtaining the 40% IFD value. Each pillow was also “fluffed” prior to the IFD measurement.

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