

Purpose

To provide product specifications to pillow manufacturers and consumers that will maintain the highest product performance standards.

Requirements

Before any product can be certified and bear the Ingeo™ brand, manufacturers must sign licensing agreements to meet manufacturing guidelines and product standards.

1. fiber blends

All certified pillows must contain 100% PLA fiber specially designed for that product.

2. filling requirements

All certified pillows filled with PLA fibers must meet or exceed the minimum fill weight requirements.

Pillow Filling Requirements						
	United States			Europe		
Description	Dimensions	Minimum Suggested Filling Weight	Weight Tolerance	Dimensions	Minimum Suggested Filling Weight	Weight Tolerance
Standard Size	20" x 26"	22 oz	±5%	Varies by country	2 kg/m ²	±5%
Queen Size	20" x 30"	25 oz	±5%		2 kg/m ²	±5%
King size	20" x 36"	34 oz	±5%		2 kg/m ²	±5%

3. cover fabrics

Shell fabrics for pillows must have sufficient quality that provides durability through at least three wash (front loading washer) and tumble dry cycles, controls air permeability with no fiber leakage through shell fabric during use and is press durable.

Suggested Shell Fabric Properties	
Fabric Property	English Units
Minimum Thread Count	152/in ² (96W x 56F)
Down-proof Fabric Minimum Thread Count	180/in ²
Air Permeability @ 1.3 cm or 0.5 in Water Pressure	<40 ft ³ /ft ² /min
Minimum Weight	3.5 oz/yd ²

4. web appearance

Filling fibers should be fully opened evenly without defects such as neps, rat tails, rolling ropes and contamination with foreign materials.

5. laundering instructions

Pillows can be hand washed or machine washed.

Hand washing: Soak in lukewarm water using mild detergent. Continue to press until clean. Rinse in clear water and remove detergent and soil. Press out excess water and spin dry at low temperature or drip dry flat. Do not hang or filling will settle.

Machine washing: Use a mild detergent (no bleach) and use moderate settings and cold or warm water (40° C). It is better to wash two pillows together to balance the machine. Large capacity front loading washers are preferred. Include a few smaller items to help agitate water around for balanced machine operation. Larger size pillows should be laundered and dried in commercial size machine. Tumble dry at low temperature or drip dry. Tumble drying helps to re-fluff the pillow.

6. pillow care instructions

Loft is best maintained by daily re-fluffing and simply shaking the pillow vigorously once a week. Occasionally, pillows can be put in dryer with low heat through tumble cycle to regenerate loft.

Any deviations from the above specifications are subject to written approval from NatureWorks LLC.

Product Disclaimer

safety and handling considerations

Material Safety Data Sheets (MSDS) for Ingeo fibers are available from NatureWorks LLC. MSDS sheets are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations, such as OSHA (U.S.A.), MAK (Germany) or WHMIS (Canada). MSDS sheets are updated regularly; therefore, please request and review the most current MSDS sheets before handling or using any product. The following comments apply only to Ingeo fibers; additives and processing aids used in fabrication and other materials used in finishing steps have their own safe-use profile and must be investigated separately.

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