

Comparison of properties of Medigel® Baby Care Products vs. Other Technologies

| Parameter | Characteristic | C3I® Gel (Medigel®) | Memory Foam* |
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| Firmness | Should be able to bear body weight in right proportions | Reflexon Elastomeric Technology aids firms with extreme cushioning & supreme shock absorber (up to 1600 psi) | Firm to Supple & Suppleness increases with body heat providing cradling support |
| Temperature Sensitivity | Fluctuations in body temperature(s) leads to sleeplessness | All temperature constant cushioning, ideal for both tropics and peaks | Consistent in ambient room temperature only |
| Comfort Factor | Cushioning Impact for deep sleep | Maximum Cushioning (along with elastomerism) | Excellent Cushioning – Comforting (with lack of elastomerism) |
| Body Pressure Distribution Factor (≤32 mmHg) | Prevent occurrence of pressure sores& reduction in tossing & turning causing disturbances in sleep | 100% No pressure sore - Reflexon Elastomeric Technology | 80% reduction in pressure points (Minimum Reported – less than 13mmHg @200lbs) |
| Maintenance | Ideally less effort to be in daily use | Don't need to be rotated, folding and bending doesn't affect C3I® Gel | Do not have to be flipped or rotated, but needs to be cleaned as not water proof. |
| Sanitizable | Ideally should not support bacterial growth. | Does not support bacterial growth and easily sanitizable | Anti-microbial coating lasts to some period (if provided), cannot be re-sanitized, require sun drying etc, cumbersome procedure, ideally replaced in case of baby care products. |
| Replacement Period | Shelf life determine per day sleeping cost & durability for 4 years baby age | Doesn't bottom out and even sell back to the company once utilized for this period @Rs. 200/- per Kg | Durable till not wetting, once wetted, required to be replaced. Reusability factor is questionable and varies from foam to foam quality. |
| Resilience & Bounce Factor | Supportive inner layer with bouncing top layer | Extremely bouncing factor due to associated elastomeric impact. This aid baby's growth and keeps them healthy. | Bouncing impact is minimum while impression factor is high, means body gets immersed though will not aid very higher blood circulation rate |
| Proper Blood Circulation | Health Characteristic for sleeping | Significantly higher | Higher |

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| | effectively. | | |
| Hypo-allergenic | Health Aid | Yes | Yes, but depend upon quality and variety |
| Developmental Facility | WHO GMP Certified ISO 13484: 2016 complied | Yes | Ask this question or verify it prior to buying any baby product, generally beddings and dried sheets are not developed in such facilities. |
| Certification | CE Approved and accepted by DCGI (India) for domestic requirement fulfillment | Yes | Buyer should check for these quality certifications while comparing two technology based products |
| Anti-microbial Properties | Essential to provide extra care | Yes | Yes, coating required |
| Natural Factor | Eco-friendliness Technologies aid health benefits | Organic & Environmental Friendly (Even Bionova Corporation salvage the gel by taking it back at Rs. 200/- per Kg rate and use it to develop wheel chair cushions that are freely distributed to morbid patients under rehabilitative care). | Synthetic |
| Types | Commercial Types Available | Only MEDIGEL® Brand Products with baby care products comes as COZY BABY CARE Products | Wide varieties – quality comfort directly proportional to cost as well as extreme confusion in retail and online markets due to false claims. |
| Effective, if blended | Combination Mattresses aid special benefits | Adult mattresses are blended but for quality purpose, Cozy Baby Care products are purely gel based products | Blended with different foams and generally used as top layer in multiple variants and cribs/ travel carries. |
| Utility Function | Multipurpose or Specific Use | Multipurpose | Comfort care top layer |
| Bed Sore Prevention | Observed in case of soft bodies of babies | 100% prevention | Around 60% |
| Cost Factor | Cost alone don't determines quality, it includes multifarious factorial | MEDIGEL®-Single Brand Quality of Elastomeric cushioning; Extremely cost effective with wide variety | Cost and quality factor linked. |

| | determinants | product range (click here) | |
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| Products Available | Types of variety of products available | <ul style="list-style-type: none"> • Neonatal Gel Underlay (Infants / New Born Baby Bed) • Baby Gel Pillow (Head Shaping/ Protection) • Baby Gel Underlay (Toddler/ Baby Bed) | <ul style="list-style-type: none"> • Baby beddings in multiple carries with / without mosquito net (accessory requirement: dried sheets) • Baby Pillow (Head Shaping) |

* Rest of Foams are less softer and recovering period is less than Memory Foam thus used as intermediate / bottom layers with respect to targeted life span and usage attributed to its density.

The information is collated and processed by experts from various literary data and not against any brand or technology, it user's choice for their perspective function of baby products they are looking for.