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ISO 9001:2015



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PINE SOFT BABY DIAPER TECHNICAL DATA SHEET

Product Description

<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">1</div> <p>Absorbent Core Composition</p>	<p>Super absorbent polymer (SAP) mixed with pure cellulose pulp Cellulose Pulp (Polysaccharide) - (C₆H₁₀O₅)_n ; (~50%) SAP Super Absorbent Polymer – (CH₂O₂H + CH₂O₂Na)_n ; (~50%)</p>
<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">2</div> <p>Elastic Back Ears Composition</p>	<p>Elastic wings allow babies move freely Polyester fabric - (C₁₀H₈O₄)_n ; (42%) Elastic Film - (C₈H₈)_n ; (48%) Rubber based glue - (C₅H₈)_n ; (10%)</p>
<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">3</div> <p>Side Tapes Composition</p>	<p>Look-hoop velcro tape (can be closed&opened many times) Polyolefin - (C_xH_{2x})_n ; (67%) Hydrophilic polypropylene - (C₃H₆)_n ; (33%)</p>
<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">4</div> <p>Inner Surface Composition</p>	<p>Spunbonded hydrophilic soft-touch nonwoven Hydrophilic polypropylene - (C₃H₆)_n ; (100%)</p>
<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">5</div> <p>ADL Composition</p>	<p>50 gsm, high loft acquisition distribution layer (ADL) Hydrophilic polypropylene - (C₃H₆)_n ; (100%)</p>
<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">6</div> <p>Barriers Composition</p>	<p>Extra high, hydrophobic nonwoven (prevents leakage) Hydrophobic polypropylene - (C₃H₆)_n ; (100%)</p>
<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">7</div> <p>Elastics Composition</p>	<p>680 dtex (400% - 700% elongation) Spandex - (C₅H₈)_n ; (100%)</p>
<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">8</div> <p>Frontal Ears Composition</p>	<p>40 gsm, hydrophilic nonwoven Hydrophilic polypropylene - (C₃H₆)_n ; (100%)</p>
<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">9</div> <p>Frontal Tape Composition</p>	<p>Locked loop for velcro tape with textile surface and soft texture Polyester net - (C₁₀H₈O₄)_n ; (42%) Polypropylene - (C₃H₆)_n ; (58%)</p>
<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">10</div> <p>Outer Surface Appearance Composition</p>	<p>25 gsm, clothlike breathable textile outer surface Pure, simplifivative design Polyethylene - (C₂H₄)_n ; 54%, Hydrophobic polypropylene - (C₃H₆)_n ; (43%) , Rubber based glue - (C₅H₈)_n ; (3%)</p>
<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">11</div> <p>Glue Composition</p>	<p>Rubber based glue to fix all the raw materials at the product Rubber based hot melt glue - (C₅H₈)_n ; (100%)</p>

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Quality Control

- ✓ Input controls of all the raw materials and packaging materials
- ✓ On-line automation control with special vision sytem and software
- ✓ On-line physical controls by quality control staff
- ✓ Standard rewet tests routinely applied during production
- ✓ Absorption capacity tests per lot

Test Method BASF 3 steps, 200 mL urine-like solution, under pressure, 45 minutes (for maxi)

PRODUCTS Technical Data	TOTAL WEIGHT	CELLULOSE	SAP	Rewet Retention	Core Length	Total Length	Max Absorption
	g (±2)	g (±1)	g (±1)	mL (±3)	mm (±5)	mm (±5)	mL (±10)
Newborn (2-5 kg)	18	7	4	3	300	360	300
Mini (3-6 kg)	19	7	5	3	300	380	350
Midi (4-9 kg)	25	9	8	3	360	420	400
Maxi (7-14 kg)	31	11	11	3	400	480	500
Maxi Plus (9-16 kg)	32	11	12	3	400	480	550
Junior (11-18 kg)	36	13	13	3	440	520	600
Junior Plus (13-20 kg)	37	13	14	3	440	520	650
Extra Large (15+ Kg)	39	13	15	3	440	560	700
XX Large (20-30 Kg)	55	23	8	3	520	700	750

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PRODUCTS Commercial Data	Size	Pieces Per Pack	Packs Per Bundle	Barcode	Order Code
JUMBO PACKS					
Newborn (2-5 kg)	1	81	4	8699096964116	6411
Mini (3-6 kg)	2	102	4	8699096964123	6412
Midi (4-9 kg)	3	84	4	8699096964130	6413
Maxi (7-14 kg)	4	72	4	8699096964147	6414
Maxi Plus (9-16 kg)	4+	64	4	8699096964178	6417
Junior (11-18 kg)	5	56	4	8699096964154	6415
Junior Plus (13-20 kg)	5+	52	4	8699096964185	6418
Extra Large (15+ Kg)	6	44	4	8699096964161	6416
XX Large (20-30 Kg)	7	30	4	8699096964192	6419
ADVANTAGE PACKS					
Newborn (2-5 kg)	1	54	4	8699096964017	6401
Mini (3-6 kg)	2	52	4	8699096964024	6402
Midi (4-9 kg)	3	42	4	8699096964031	6403
Maxi (7-14 kg)	4	36	4	8699096964048	6404
Maxi Plus (9-16 kg)	4+	32	4	8699096964079	6407
Junior (11-18 kg)	5	28	4	8699096964055	6405
Junior Plus (13-20 kg)	5+	26	4	8699096964086	6408
Extra Large (15+ Kg)	6	22	4	8699096964062	6406
XX Large (20-30 Kg)	7	15	4	8699096964093	6409
ECO PACKS					
Newborn (2-5 kg)	1	40	4	8699096964215	6421
Mini (3-6 kg)	2	38	4	8699096964222	6422
Midi (4-9 kg)	3	30	4	8699096964239	6423
Maxi (7-14 kg)	4	26	4	8699096964246	6424
Maxi Plus (9-16 kg)	4+	22	4	8699096964277	6427
Junior (11-18 kg)	5	20	4	8699096964253	6425
Junior Plus (13-20 kg)	5+	18	4	8699096964284	6428
Extra Large (15+ Kg)	6	16	4	8699096964260	6426
XX Large (20-30 Kg)	7	10	4	8699096964291	6429

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