

Cutlery Made from Agro-Fiber Paper - Technical Data Sheet (TDS)

Basic Information:

- **Product Name:** Paper-based Cutlery (Spoon, Fork, Knife)
- **Material:** 8 Layers [Spoon & Fork] & 9 Layers [Knife] Kraft Ecom [Machine Finished Bleached] Paper
- **Surface:** Smooth Surface Coated, Food Grade Finish
- **Machine:** Hot Moulding machine
- **Shade:** White
- **Certifications:** ISO 9001, ISO 14001, USFDA, BFR XXXVI
- **Environmental Safety:** Certified by Intertek, 100% Recyclable, Biodegradable, Compostable & Marine Degradable

Technical Specification:

S. No.	Quality Parameter	Unit	Paper Spoon	Paper Fork	Paper Knife
1	Substance	gsm	960	960	1080
2	Tolerance	%	± 5	± 5	± 5
3	Dimensions (Length x Width)	mm	158 x 36	158 x 36	158 x 25
4	Weight	g	3.7	3.5	3
5	Heat Resistance	°C	Up to 70°C	Up to 70°C	Up to 70°C
6	Oil/Water Resistance (Room Temperature)	minutes	Up to 60	Up to 60	Up to 60
7	Oil/Water Resistance (Hot Food)	minutes	Up to 30	Up to 30	Up to 30
8	Smoothness (Bendtsen-R)	ml/min	300 max.	300 max.	300 max.
9	Moisture Content	%	5.5-7.0	5.5-7.0	5.5-7.0

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Product Features:

- **100% Compostable & Biodegradable:** Breaks down naturally, leaving no harmful residues
- **Heat & Moisture Resistant:** Durable for both cold and hot food applications
- **Smooth Texture:** Comfortable for handling and usage
- **Fluorine & BPA Free:** Ensuring safety for food contact
- **Recyclable:** Can be processed in standard paper recycling facilities

Comparison with Wooden Cutlery:

Feature	Wooden Cutlery	Paper Cutlery
Moisture Absorption	High	Low, retains structural integrity
Recyclability	Non-recyclable	Recyclable
Odour & Taste Retention	Retains odours	Odourless & Tasteless
Liquid Capacity	Depth Limitations	Up to 4.5 ml

Applications:

- **Suitable for:** Cafes, Restaurants, Outdoor Events, Catering Services.
- **Packaging:** Delivered in recyclable packaging, made for easy storage and use.



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