



## PP RAFIA

### Description

Polypropylene (PP) is a tough, flexible, and versatile thermoplastic polymer used to make a wide range of products, from packaging and furniture to medical tools and fibers. Derived from propylene, a component of crude oil, PP is known for its chemical and fatigue resistance, low density, and heat tolerance. It is a widely recycled plastic and a common choice for everyday items due to its durability, flexibility, and cost-effectiveness.

### Application

- **Composite Pipes:** Multi-layer pipes for hot and cold water.
- **Drainage Pipes:** Chemical-resistant pipes for plumbing and drainage.
- **PPR Fittings:** Sockets, elbows, tees, and valves for piping systems.

GRADE	S100 3	T30S	Y130	P30H	D30	D382	P035	H103	H104	H03
MFR	3	3	3-5	3	2.7-3.7	2.7-3.7	3-4	3	4.5	2.5-3.5
DENSITY	98.5	97.5	95-95	90	97	97	95	90	90	96
TENSILE STRESS AT YIELD	36	32	30	36.3	30	30	35	33	34	30
FLEXURAL MODULUS	1450	1400	1350	1300	1300	1300	1350	1450	1450	1200