

PP

PP T03

POLYPROPYLENE HOMOPOLYMER (PP) — YARN/RAFFIA GRADE

This yarn/raffia-grade polypropylene homopolymer is engineered for the extrusion of flat tape and yarn used in the production of plastic woven products. It combines excellent tensile properties with good processability, and articles made from it are water repellent and resistant to corrosion, mildew, and abrasion, giving them a long service life.

Typical Application

- Woven bags
- Colored stripe cloth for sunlight shading or covering use
- Carpet backing (base fabric)
- Container bags
- Tarpaulin and ropes

Product Characteristics

- Excellent tensile properties and good processability
- Water repellent and resistant to corrosion, mildew, and abrasion
- Long service life in outdoor and industrial woven applications

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (230°C/2.16kg)		3 ± 0.5	g/10 min
Cleanliness (impurity count)		≤ 5	pieces/kg
Notched Impact Strength, cantilever beam (23°C)		≥ 39	J/m
Tensile Strength at Yield		≥ 32	MPa
Tensile Strength at Break		≥ 16	MPa
Nominal Tensile Strain at Break		≥ 150	%
Isotacticity Index		≥ 96	%
Powder Ash		≤ 0.02	%

1. The nominal properties reported herein are typical of the product and do not reflect normal testing variance; they should not be used for specification purposes.

2. This grade code and T30S are published by the producer as a combined family ("T03(T30S)") sharing one typical-value table; the properties above apply to both designations.