



中国石化
SINOPEC

TECHNICAL DATA SHEET

Product Name: **Yarn Grade**

Product Grade: **PPH-T03**

Product Description:

Sinopec PP yarn grade has excellent tensile properties and good processability. It is principally in the production of plastics woven products. Products made from this resin are water, repellent resistant to corrosion, mildewing, abrasion and have long service lives.

Physical Properties:

Typical performance index (Not Warranted Value)

Item	Unit	Quality Index	Typical Value
MFR	g/10min	3.0±0.5	3.0
Flexural Modulus	MPa	≥900	1300
Tensile Strength at yield	MPa	≥30.0	32.7
Tensile strength at broken	MPa	≥16.0	27.9
Stretching broken column nominal strain	%	≥150	540
Isotactic Index	%	≥96.0	97.5
Ash	%	≤0.030	0.018

Product Characteristics:

- High tensile strength at yield.
- Good uniformity and transparency.
- Without any dangerous chemicals.
- Have long service lives.

Manufacturer:

Sinopec Jiujiang/ Zhenhai/ Zhongtian/ Shijiazhuang Refinery

Typical Applications:

PP yarn grade is widely used in the production of woven bags, colored stripe cloth for sunlight shading or covering use, carpet backing (base fabric), container bags, tarpaulin and ropes. Products made from this resin are mainly used as packages for food, chemical fertilizer, cement, sugar, salt, industrial feedstock and ores.