

## P-YI-180

### Technical Datasheet

#### 1) Product Description:

PYI-180 is a homopolymer polypropylene with high flow properties suitable for production of different kinds of polypropylene fibers.

#### 2) Applications:

Carpets and Rugs, Furniture, Yarn, Staple Fibers, Nonwoven Fabrics, Diaper

#### 3) Typical data:

Property	Test method	Unit	value
Melt Flow rate (230 °C, 2.16 kg)	ASTM D1238	dg/min	18
Density	ASTM D1505	g/cm <sup>3</sup>	0.9
Flexural Modulus	ASTM D790	MPa	1550
Tensile Strength at Yield	ASTM D638	MPa	33
Tensile Elongation at Yield	ASTM D638	%	12
Izod Impact Strength (notched) at 23 °C	ASTM D256	J/m	30
Vicat softening point (10 N)	ASTM D1525	°C	154
H.D.T. (0.46 Mpa)	ASTM D648	°C	95