

## Polikim Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

Polypropylene is an olefin class plastic with low density. It has good chemical and electrical properties and is rigid. Its use under 0°C is not recommended as its mechanical properties weaken. Normally, polypropylene is used in the +0°C, +100°C temperature interval. It is popular in engineering, chemical and electrical industries. Its widest application area is the production of storage tanks, their components and equipment. Polypropylene tanks are preferred in the storage of chemical materials, in water purification and waste management systems. Information provided by Polikim Polimer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polikim-Polypropylene.php](http://www.lookpolymers.com/polymer_Polikim-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in <sup>3</sup>	ISO 1183
Water Absorption at Saturation	0.10 %	0.10 %	ISO 62

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	ISO 868
Tensile Strength, Ultimate	29.4 MPa	4270 psi	ISO 527
Elongation at Break	>= 50 %	>= 50 %	ISO 527
Tensile Modulus	1.25 GPa	181 ksi	ISO 527
Izod Impact, Notched (ISO)	7.00 kJ/m <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	ISO 180

Thermal Properties	Metric	English	Comments
CTE, linear	160 µm/m-°C	88.9 µin/in-°F	ISO 11359
Maximum Service Temperature, Air	100 °C	212 °F	continuous
Minimum Service Temperature, Air	5.00 °C	41.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	55.0 kV/mm	1400 kV/in	ISO 60243

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China