

## Braskem PH 1721 HOMO Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Fiber Grade

### Material Notes:

PH 1721 is a low melt flow rate polypropylene with an anti-gas fading stabilization package. It is suitable for continuous filament and staple fiber processing due to its molecular weight distribution. It has a good balance of toughness and elongation. This resin could also be used for injection molding processing. Its applications include: toys, household appliances, parts in general, staple fibers and continuous filaments for rugs and upholstery, and nonwovens by the thermobonded process.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-PH-1721-HOMO-Polypropylene-Homopolymer.php](http://www.lookpolymers.com/polymer_Braskem-PH-1721-HOMO-Polypropylene-Homopolymer.php)

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in <sup>3</sup>	ASTM-D792
Melt Flow	22 g/10 min @Load 2.16 kg, Temperature 230 °C	22 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	103	103	ASTM-D785
Tensile Strength, Yield	35.0 MPa	5080 psi	ASTM-D638
Elongation at Yield	8.0 %	8.0 %	ASTM-D638
Flexural Modulus, 1% Secant	1500 MPa	218000 psi	ASTM-D790
Izod Impact, Notched	0.200 J/cm	0.375 ft-lb/in	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	103 °C	217 °F	ASTM-D648
Vicat Softening Point	153 °C @Load 1.02 kg	307 °F @Load 2.25 lb	ASTM-D1525

## Contact Songhan Plastic Technology Co.,Ltd.

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