

## Multibase Multi-Pro® 2005 RC I High Impact 20% Glass Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

Multi-Pro 2005 RC I is a chemically coupled polypropylene compound with increased stiffness, flex strength and excellent impact resistance. This product is geared for top engineering plastics applications in the automotive industry. Data provided by Multibase.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Multibase-Multi-Pro-2005-RC-I-High-Impact-20-Glass-Polypropylene.php](http://www.lookpolymers.com/polymer_Multibase-Multi-Pro-2005-RC-I-High-Impact-20-Glass-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	ASTM D792-91
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955-89
Melt Flow	5.0 g/10 min	5.0 g/10 min	(Condition L) ASTM D-1238-94a

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	77	77	10 sec; ASTM D-2240-95
Tensile Strength, Ultimate	58.6 MPa	8500 psi	ASTM D638-95
Elongation at Break	5.0 %	5.0 %	ASTM D638-95
Flexural Modulus	3.103 GPa	450.1 ksi	Method 1, Proc. B; ASTM D-790-95
Izod Impact, Notched	0.960 J/cm	1.80 ft-lb/in	ASTM D256-93a
Gardner Impact	0.400 J	0.295 ft-lb	ASTM D5420-93

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	138 °C	280 °F	ASTM D648-95
Deflection Temperature at 1.8 MPa (264 psi)	121 °C	250 °F	ASTM D648-95

### Contact Songhan Plastic Technology Co.,Ltd.

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