

## Plenco 304 Black Impact Grade Woodflour/Cellulose Filled Phenolic Molding Compound (discontinued \*\*)

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic , Phenolic, Novolac, Impact Grade, Filled

### Material Notes:

Plaslok 304 is a two-stage, woodflour and cellulose-filled phenolic molding compound having improved impact strength. It is suitable for automatic molding, and is recommended for thin-walled parts or where mechanical assembly stress is experienced. Data provided by Plaslok Corporation. Plaslok Corporation was purchased by Plastics Engineering Company in March 2000. The Plaslok name is no longer used on any products.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plenco-304-Black-Impact-Grade-WoodflourCellulose-Filled-Phenolic-Molding-Compound-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Plenco-304-Black-Impact-Grade-WoodflourCellulose-Filled-Phenolic-Molding-Compound-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	ASTM D792
Apparent Bulk Density	0.500 g/cc	0.0181 lb/in <sup>3</sup>	ASTM D1895
Water Absorption	0.40 %	0.40 %	ASTM D570
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	Compression; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	52.0 MPa	7540 psi	ASTM D638
Flexural Yield Strength	76.0 MPa	11000 psi	ASTM D790
Flexural Modulus	8.30 GPa	1200 ksi	ASTM D790
Compressive Yield Strength	207 MPa	30000 psi	ASTM D695

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	166 °C	331 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	ASTM D257
Dielectric Constant	4.8	4.8	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	7.2	7.2	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	

Dielectric Strength Electrical Properties	13.4 kV/mm Metric	340 kV/in English	ASTM D149 Comments
Dissipation Factor	0.040	0.040	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.14	0.14	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	

## 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