

## Plenco 204 Black General Purpose Woodflour/Mineral Filled Phenolic Molding Compound (discontinued \*\*)

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic , Phenolic, Novolac, Woodflour/Mineral Filled

### Material Notes:

Plaslok 204 is a two-stage, woodflour and mineral-filled phenolic molding compound formulated to accommodate a wide range of molding situations. In addition, it is recommended for use in thin wall applications where a UL94 V0 rating is required. This compound has been specially formulated in order to have improved electrical properties, as well as good machinability. 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-204-Black-General-Purpose-WoodflourMineral-Filled-Phenolic-Molding-Compound-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Plenco-204-Black-General-Purpose-WoodflourMineral-Filled-Phenolic-Molding-Compound-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in <sup>3</sup>	ASTM D792
Apparent Bulk Density	0.600 g/cc	0.0217 lb/in <sup>3</sup>	ASTM D1895
Water Absorption	0.50 %	0.50 %	ASTM D570
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	Compression; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	45.0 MPa	6530 psi	ASTM D638
Flexural Yield Strength	83.0 MPa	12000 psi	ASTM D790
Flexural Modulus	6.90 GPa	1000 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)	149 °C	300 °F	ASTM D648
UL RTI, Electrical	150 °C @Thickness 1.57 mm	302 °F @Thickness 0.0618 in	
UL RTI, Mechanical with Impact	150 °C @Thickness 1.57 mm	302 °F @Thickness 0.0618 in	
UL RTI, Mechanical without Impact	150 °C @Thickness 1.57 mm	302 °F @Thickness 0.0618 in	

Thermal Properties	V-0 Metric	V-0 English	Comments
	@Thickness 1.57 mm	@Thickness 0.0618 in	
	V-0	V-0	
	@Thickness 1.57 mm	@Thickness 0.0618 in	
Oxygen Index	31.4 %	31.4 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.80e+11 ohm-cm	1.80e+11 ohm-cm	ASTM D257
Dielectric Constant	5.2	5.2	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	7.0	7.0	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Dissipation Factor	0.030	0.030	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.070	0.070	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Comparative Tracking Index	185 V	185 V	UL 746

## 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