

## Hippe PF CP 207 Cellulose Paper Reinforced Phenolic Resin - Sheet

Category : Polymer , Thermoset , Phenolic , Phenolic, Novolac, Cellulose Filled

**Material Notes:**

Used in mechanical applications. Used in mechanical properties better than other PF CP types. Poor electrical properties under normal humidity. Also available in hot-punching versions. Improved punching characteristics at lower temperature when compared to PF CP 201

Information provided by Hippe.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Hippe-PF-CP-207-Cellulose-Paper-Reinforced-Phenolic-Resin-Sheet.php](http://www.lookpolymers.com/polymer_Hippe-PF-CP-207-Cellulose-Paper-Reinforced-Phenolic-Resin-Sheet.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 - 1.40 g/cc	1.30 - 1.40 g/cc	IEC 1212-2 8.1

Mechanical Properties	Metric	English	Comments
Tensile Strength	>= 100 MPa	>= 14500 psi	IEC 1212-2 5.7
Flexural Strength	>= 80.0 MPa	>= 11600 psi	Perpendicular to laminations; IEC 1212-2 5.1
Flexural Modulus	>= 5.00 GPa	>= 725 ksi	IEC 1212-2 5.2
Compressive Strength	>= 300 MPa	>= 43500 psi	Perpendicular to laminations; IEC 1212-2 5.3
Shear Strength	>= 10.0 MPa	>= 1450 psi	Parallel to laminations; IEC 1212-2 5.6

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	>= 100 V	>= 100 V	IEC 1212-2 6.4

Descriptive Properties	Value	Comments
Thermal Endurance	105 T.I.	IEC 1212-2 7.1
Water Absorption	< 920 mg	IEC 1212-2 8.2; Test piece 50 x 50 x 10 mm

## Contact Songhan Plastic Technology Co.,Ltd.

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