3D Printing materials

HP 3D Printing materials compatibility chart

Material	 HP Jet Fusion 5200 Series 3D Printing Solution	 HP Jet Fusion 4200 3D Printing Solution	 HP Jet Fusion 500/300 Series 3D Printers
HP 3D High Reusability[1] PA 11	✓	✓	✗
HP 3D High Reusability[2] PA 12	✓	✓	✗
HP 3D High Reusability[5] PP enabled by BASF	✓	✗	✗
HP 3D High Reusability[4] PA 12 Glass Beads	✓	✓	✗
BASF Ultrasint® TPU01	✓	✗	✗
ESTANE® 3D TPU M95A	✗	✓	✗
HP 3D High Reusability[6] TPA enabled by Evonik	✗	✓	✗
HP 3D High Reusability[3] CB PA 12	✗	✗	✓

Learn more at
hp.com/go/3DMaterials

Disclaimers

1. HP Jet Fusion 3D Printing Solutions using HP 3D High Reusability PA 11 provide up to 70% powder reusability ratio, producing functional parts batch after batch. For testing, material is aged in real printing conditions and powder is tracked by generations (worst case for reusability). Parts are then made from each generation and tested for mechanical properties and accuracy.

2. HP Jet Fusion 3D Printing Solutions using HP 3D High Reusability PA 12 provide up to 80% powder reusability ratio, producing functional parts batch after batch. For testing, material is aged in real printing conditions and powder is tracked by generations (worst case for reusability). Parts are then made from each generation and tested for mechanical properties and accuracy.

3. HP Jet Fusion 3D Printing Solutions using HP 3D High Reusability CB PA 12 provide up to 80% powder reusability ratio, producing functional parts batch after batch. For testing, material is aged in real printing conditions and powder is tracked by generations (worst case for reusability). Parts are then made from each generation and tested for mechanical properties and accuracy.

4. HP Jet Fusion 3D Printing Solutions using HP 3D High Reusability PA 12 Glass Beads provide up to 70% powder reusability ratio, producing functional parts batch after batch. For testing, material is aged in real printing conditions and powder is tracked by generations (worst case for reusability). Parts are then made from each generation and tested for mechanical properties and accuracy.

5. Based on internal HP testing, May 2020. HP Jet Fusion 3D Printing Solutions using HP 3D High Reusability PP enabled by BASF provide up to 100% powder reusability ratio, producing functional parts batch after batch. For testing, material is aged in real printing conditions and reclaimed powder is tracked by generations (worst case for reusability). Parts are then made from each subsequent generation and tested for mechanical properties and accuracy showing no degradation of properties up to three generations of use.

6. HP Jet Fusion 3D Printing Solutions using HP 3D High Reusability TPA enabled by Evonik provide up to 80% powder reusability ratio, producing functional parts batch after batch. For testing, material is aged in real printing conditions and powder is tracked by generations (worst case for reusability). Parts are then made from each generation and tested for mechanical properties and accuracy.

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