

Mosaic Align

DESCRIPTION

Mosaic Align is a custom-formulated rigid 3D printing material developed for advanced orthotic and prosthetic applications. Align delivers structural strength and chemical resistance in a digital workflow, giving rigid device components the durability and dimensional stability needed to hold their shape through daily wear, without fillers or reinforcement

KEY FEATURES

- ✓ High impact strength
- ✓ Dimensionally stable
- ✓ Low moisture absorption
- ✓ Filler-free printability



SAMPLE APPLICATIONS

- ✓ Rigid orthotic shells and frameworks
- ✓ Prosthetic sockets and structural components
- ✓ AFOs and structural bracing
- ✓ Load-bearing device components
- ✓ Protective, cushioning, and comfort zones within devices

FILAMENT SPECIFICATIONS

Diameter	Tolerance
1.75 mm	+/- 0.05 mm

PRINTING GUIDELINES

Print Profile	Align profile in Stryde Print
Print Settings	Automatically configured in Stryde Print

Note: Stryde Print automatically provides the recommended print profile and handling settings for Align. Follow the settings in Stryde Print for optimal print quality and performance.

STORAGE/HANDLING CONSIDERATIONS

Hygroscopicity	Moderate
Drying Temperature	80°C
Drying Time	4 hours

MATERIAL PROPERTIES

Property	Standard	Typical Value
Density	ISO 1183	1.04g/cm ³
Tensile Modulus	ISO 527	1600 MPa
Tensile Strain	ISO 527	>50%
Tensile Stress	ISO 527	60 MPa

CONTACT INFORMATION

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