

# Technical Data Sheet: **AON3D HIPS** - 3D Printing Filament

## Product Characteristics

Toughness  
Heat Resistance  
Good Stiffness  
Food Contact Compliant(1)  
UL Classification 94 HB(2)

## Typical Applications

Lids  
Appliances/Refrigeration  
Packaging/Disposables  
Housewares

## Physical Properties

	Typical Value	Standard
Specific Gravity - Density	1.04	ASTM D792
Melt Density @200°C, 5 Kg	2.8 g/10 min	ASTM D1238

## Mechanical Properties

Tensile Strength	27 MPa	ASTM D638
Tensile Modulus	1 900 MPa	ASTM D638
Tensile Elongation	65 %	ASTM D638
Notched Izod Impact	225 J/m	ASTM D256
Shrinkage Rate < 1%	0.40 - 0.70% mm/mm	ASTM D955

## Thermal Properties

Heat Distortion Temp @ 1.82 MPa	79°C	ASTM D648
Heat Distortion Temp @ 0.45 MPa	89°C	ASTM D648

## Disclaimer

The technical data contained on this data sheet is furnished without charge or obligation and accepted at the recipient's sole risk. This data should not be used to establish specifications limits or used alone as a basis of the design. The data provided is not intended to substitute any testing that may be required to determine fitness for any specific use.