

Specification Sheet

Peek Granules (Medical Grade)

Color: Natural

Type: Medical Grade

Shape: Granules

Product Name	:	Peek Granules
Stock No	:	NHS017-00073
CAS	:	7440-22-4
Grade	:	Medical Grade)
Color	:	Natural
Shape	:	Natural colors like beige-brown
Material	:	Implantable PEEK
Density	:	1.30g/cc(23°C
Melting Point	:	372°C °C
Water Absorption	:	0.06%
Rockwell Hardness	:	98
Shore D Hardness	:	87
Mold Shrinkage	:	1.1%
Across Flow	:	1.3%
Spiral Flow	:	337mm
Glass Transition Temperature	:	52°C
Heat Deflection Temperature	:	175°C
Continuous Use Temperature	:	280°C
Tensile Strength	:	110 MPa
Tensile Modulus	:	4.2 GPa
Elongation at Break	:	20-25%
Flexural Strength	:	185 MPa
Flexural Modulus	:	4.1 GPa
Compressive Strength	:	135 MPa
Izod Impact Strength	:	60 J/m
Melt Viscosity at 400°C	:	300 Pa.s
Drying Temperature/Time	:	4-6 hrs at 150°C
Temperature Settings	:	390-400°C
Nozzle Temperature	:	400°C
Hopper/ Throat Temperature	:	60-80°C
Mold Temperature	:	200-220°C
Main Inspect Verifier	:	Manager QC
Date of Print	:	August 2023
Version	:	1.1

Note: Product Specification are subject to amendment and may change over time

Visit us: www.nanohealthcare.in**Works:** I Hub, Ground Floor, AMTZ Campus, Pragati Maidan, VM Steel Project SO, Visakhapatnam – 530031 AP (INDIA)**Regd office:** Plot #: 123, Industrial Area (Ph-2), Panchkula -134113 HR (INDIA)**Tel:** +91-9815 85 9815, 9815 50 9815 | ✉ healthcare1@nanoshel.com**GST No.:** 37AAHCN7232K1Z4