

Mineral Reinforced PA66

Catlog Number: CRSM-0070

• Description

High-density mineral-filled nylon offering exceptional compressive strength and dimensional stability for heavy-duty industrial molds and fixtures.

• Basic Information

Base Material: Polyamide 66

Reinforcement Type: Mineral Particulates

Reinforcement Volume (%): 0.4

Density (g/cm³): 1.52

Tensile Strength (MPa): 95

Tensile Modulus (MPa): 8200

Elongation at Break (%): 3.5

Flexural Strength (MPa): 165

Flexural Modulus (MPa): 7800

Heat Deflection Temp (0.45MPa): 240

Glass Transition Temp (Tg): 70

Melting Point (°C): 260

Thermal Conductivity (W/mK): 0.45

Flame Retardancy (UL94): V-0

Surface Resistivity (Ω): 10¹⁵

Water Absorption (%): 0.85

Printing Temp (°C): 275-305

Bed Temp (°C): 80-110

Chamber Temp (°C): 60-90

Fan Speed (%): 15

Nozzle Type: Hardened Steel

Layer Height (mm): 0.2

Shrinkage Rate (%): 0.35

Continuous Use Temp (°C): 155

Impact Strength (kJ/m²): 12

 For Research or Industrial Raw Materials, Not For Personal Medical Use!