

Flame Retardant CF-ASA

Catlog Number: CRSM-0015

• Description

UV-resistant ASA base with carbon fiber reinforcement and flame retardant additives for outdoor industrial enclosures and safety parts.

• Basic Information

Base Material: Acrylonitrile Styrene Acrylate

Reinforcement Type: Carbon Fiber

Reinforcement Volume (%): 0.15

Density (g/cm³): 1.15

Tensile Strength (MPa): 55

Tensile Modulus (MPa): 4200

Elongation at Break (%): 3.5

Flexural Strength (MPa): 82

Flexural Modulus (MPa): 3800

Heat Deflection Temp (0.45MPa): 98

Glass Transition Temp (Tg): 105

Melting Point (°C): -

Thermal Conductivity (W/mK): 0.25

Flame Retardancy (UL94): V-0

Surface Resistivity (Ω): 10⁷

Water Absorption (%): 0.25

Printing Temp (°C): 240-270

Bed Temp (°C): 90-110

Chamber Temp (°C): 60-80

Fan Speed (%): 10

Nozzle Type: Hardened Steel

Layer Height (mm): 0.2

Shrinkage Rate (%): 0.4

Continuous Use Temp (°C): 85

Impact Strength (kJ/m²): 7.5

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