

Talc-Reinforced Polypropylene

Catlog Number: CRSM-0036

• Description

Cost-effective industrial composite providing high dimensional stability and heat resistance for large-scale automotive jigs and fixtures.

• Basic Information

Base Material: Polypropylene
Reinforcement Type: Mineral Talc
Reinforcement Volume (%): 0.2
Density (g/cm³): 1.08
Tensile Strength (MPa): 32
Tensile Modulus (MPa): 3500
Elongation at Break (%): 10
Flexural Strength (MPa): 52
Flexural Modulus (MPa): 3200
Heat Deflection Temp (0.45MPa): 125
Glass Transition Temp (Tg): -15
Melting Point (°C): 165
Thermal Conductivity (W/mK): 0.22
Flame Retardancy (UL94): HB
Surface Resistivity (Ω): 10¹⁵
Water Absorption (%): 0.02
Printing Temp (°C): 230-260
Bed Temp (°C): 90-110
Chamber Temp (°C): 50-70
Fan Speed (%): 20
Nozzle Type: Hardened Steel
Layer Height (mm): 0.2
Shrinkage Rate (%): 0.6
Continuous Use Temp (°C): 105
Impact Strength (kJ/m²): 14

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