



STEREOLITHOGRAPHY

SOMOS® WATERSHED XC1112

MATERIAL SPECIFICATIONS

PRODUCT DESCRIPTION

DSM's Somos® WaterShed XC 11122 is a low viscosity liquid photopolymer that produces strong, tough, water-resistant, ABS-like parts. Most importantly, parts created with Somos® WaterShed XC 11122 are nearly colorless, and look more like true, clear engineered plastic.

In addition, Somos® WaterShed XC 11122 has been formulated with the Somos® Oxetane Advantage™, an advanced chemistry platform that produces parts with outstanding water resistance and high dimensional stability.

APPLICATIONS

This ABS-like photopolymer is used in solid imaging processes, like stereolithography, to build three-dimensional parts. Somos® WaterShed XC 11122 offers many properties that mimic traditional engineering plastics, including ABS and PBT. This makes the material ideal for many applications in the automotive, medical and consumer electronic markets and include lenses, packaging, water flow analysis, RTV patterns, durable concept models, wind tunnel testing and investment casting patterns.

KEY BENEFITS

- strong, tough and water-resistant
- ABS-like parts
- Nearly colorless, clear engineered plastic

PROPERTIES

| Tensile Strength (MPa) | Elongation at Break (%) | Density(g/cm ³) |
|------------------------|-------------------------|-----------------------------|
| 47.1-53.6 | 11-20 | 1.12 |