

WaterShed[®] XC11122

TECHNOLOGY: SLA / FRSLA

APPLICATIONS: Lenses / Water Flow Analysis / RTV Patterns / Wind Tunnel Testing / Durable Concept Models / Quickcast Patterns

DESCRIPTION:

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

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 electronics markets.

TECHNICAL DATA

PROPERTY	ASTM	METRIC UNITS
Tensile Strength	D638M	47.1 - 53.6 MPA
Elongation at Break	D638M	11 - 20 %
Elongation at Yield	D638M	3.3 - 3.5 %
Modulus of Elasticity	D638M	2,650 - 2,880
Flexural Strength	D790M	63.1 - 74.2 MPA
Flexural Modulus	D790M	2,040 - 2,370 MPA
Izod Impact (Notched)	D256A	0.2 - 0.3 J/CM
Index of Refraction	D542	1,512 - 1,515
Hardness (Shored)	D2240	N/A
Graves Tear	D1004	150,288 N/M
Water Absorption	D570-98	35 %