

RE 41

Water-Washable Prototyping Resin

LuxCreo RE 41 resin is water washable and has high precision.
RE 41 is compatible with Lux 3 DLP printer and can print at rapid speeds.
The high accuracy printing provides delicate and vivid appearances that can be widely applied in prototyping, educational, medical modeling and toys.



Water-washable



Fast



Accurate



Low viscosity



Khaki

RE 41 Technical Data Sheet :

Tensile Properties, ASTM D638	Metric	U.S.
Tensile Modulus	1450 MPa	211.7 ksi
Ultimate Tensile Strength	32 MPa	4.9 ksi
Elongation at Break	4.0 %	4.0 %
Impact Properties, ASTM D256	Metric	U.S.
Notched Izod (Machined), 23°C	13.0 J/m	0.24 ft-lbf/in
Flexural Properties, ASTM D790	Metric	U.S.
Flexural Strength	57 MPa	9.6 ksi
Flexural Modulus	1650 MPa	277.3 ksi
General Properties	Metric	
Shore Hardness, ASTM D2240	86D	
Density (liquid resin)	1.13 g/cm ³	
Density, ASTM D792	1.24 g/cm ³	
Water Absorption, Short Term (24 hrs), ASTM D570	4.86%	
Water Absorption, Long Term (14 days), ASTM D570	13.39%	

These data are typical values and were determined through testing on printers which are validated for use with Luxcreo's products. Mechanical properties will vary based on machine, part orientation, machine type, machine power, post curing of the printed parts, and cleaning. See product guide for post-processing procedure and best practices. Improper use or failure to adhere to the product guide may result in variations of color and mechanical properties. Luxcreo reserves the right to change material characteristics, and formulation without prior notification.