



Liquid Crystal
OPUS

Loctite Material Overview

Approved for Liquid Crystal Opus



Loctite Material		Colour	Ultimate Tensile Strength (MPa)	Elongation at break (%)	Tensile Modulus (MPa)	Shore Hardness	Flexural Strength (MPa)	Flexural Modulus (MPa)	Impact Properties-notched izod (J/m)	Heat Deflection (°C) at 0.45 MPa	Biocompatibility Cytotoxicity ISO 10993-5	Skin irritation and sensitization ISO 10993-23	Water Absorption, Short term (24 hours) (%)	Viscosity (mPas)	Density (g/cm ³)	TDS
Durable	LOCTITE 3D 3843 HDT60 High Toughness	Matte Black	53	43	1806	74D	-*	1783	53	63	Passed	Passed	1.94	720-870	1.07	View TDS
	LOCTITE 3D IND405 HDT50 High Elongation	Black	45	101	1434	80D	-*	-*	51	52.8	-*	-*	1	2200-2400	1.046	View TDS

*Contact Photocentric for more information

Loctite Material	Print Profiles Available on Photocentric Studio	Wash/Rinse	Post Cure	Wash Unit	Cleaning Medium	Post Cure Unit
LOCTITE 3D 3843 HDT60 High Toughness MATTE BLACK	100µm	Wash: 2x 3minutes	2hrs @ 60 degrees	Photocentric Wash 15	Photocentric Resin Cleaner 30	Photocentric Cure M+
		Rinse: 1 minute				
LOCTITE 3D IND405 HDT50 High Elongation BLACK	50µm	Wash: 2x 3minutes Rinse: 1 minute	1hr @ 60 degrees	Photocentric Wash 15	Photocentric Resin Cleaner 30	Photocentric Cure M+