



# Ultracur3D®

## Reactive Urethane Photopolymers

### Ultracur3D®

	ST 45	ST 80	RG 35	RG 50	FL 60	FL 300	EL 60	EL 150
	Tough		Rigid		Flexible & Elastomeric			
Tensile Strength	62 MPa	34.30 MPa	67.7 MPa	62.6 MPa	4 MPa	5 MPa	5 MPa	6 MPa
E Modulus	2300 MPa	1530 MPa	2539 MPa	2290 MPa				
Elongation at break	25 %	21 %	3.8 %	4.4 %	84 %	245 %	70 %	150 %
Hardness	81D	82D	79D	83D	73A	39A	70A	78A
Impact strength (izod notched)	20.8 J/m	17.13 J/m	10.88 J/m	11.79 J/m				
HDT (0.45 MPa)	73°C	46.5°C	84°C	66.2°C				
Viscosity (@30°C)	215 mPas	418 mPas	613 mPas	65.3 mPas	450 mPas	159 mPas	3378 mPas	90 mPas
Viscosity (@50°C)	80 mPas	121 mPas	164 mPas	26.5 mPas	180 mPas	75 mPas	890 mPas	44 mPas
Available color(s)	clear, black	clear	clear	clear	clear	clear	clear	clear
Technology	DLP, LCD	DLP, LCD	SLA, DLP, LCD	DLP, LCD	DLP, LCD	DLP, LCD	DLP, LCD	DLP, LCD
Long term stability	★★★★★	★★★★★	★★★★★	★★★★	★★★	★★★	★★★	★★★
Stiffness	★★★★★	★★★	★★★	★★★				
Toughness	★★★	★★★	★★	★★				
Elongation	★★★	★★★★			★★★★★	★★★★	★★★★★	★★★★★