

ATI-ROC-E37X1 Data

- High viscosity epoxy acrylate resin with 20% crosslinker
 - High aromatic content
 - Used in wing fabrication/demonstration

Property	Value	Coefficient of Variation, %
Tensile Ultimate, psi (MPa)	9,348 ± 760 (64.5 ± 5.2)	8.1
Young's Modulus, psi (MPa)	389,420 ± 26310 (2685.0 ± 181.4)	6.8
Failure Strain, %	3.73 ± 0.83	22.3

ATI-ROC-E32X1 Data

- Low viscosity epoxy acrylate resin with 20% crosslinker
 - Moderate/low aromatic content

Property	Value	Coefficient of Variation, %
Tensile Ultimate, psi (MPa)	4,334 ± 226 (29.9 ± 1.6)	5.2
Young's Modulus, psi (MPa)	169,218 ± 17700 (1166.7 ± 122.0)	10.5
Failure Strain, %	4.78 ± 1.48	30.9

ATI-ROC-E32X2 Data

- Low viscosity epoxy acrylate resin with 50% crosslinker
 - Moderate/low aromatic content

Property	Value	Coefficient of Variation, %
Tensile Ultimate, psi (MPa)	5,215 ± 409 (36.0 ± 2.8)	7.8
Young's Modulus, psi (MPa)	266,190 ± 23640 (1835.3 ± 163.0)	8.9
Failure Strain, %	2.36 ± 0.097	9.7

ATI-ROC-U945X20 Data

- Urethane acrylate resin with 20% crosslinker
 - High aliphatic content
 - Fastest cure at 0°C

Property	Value	Coefficient of Variation, %
Tensile Ultimate, psi (MPa)	8199 ± 1086 (56.5 ± 7.5)	13.3
Young's Modulus, psi (MPa)	235,379 ± 13680 (1622.9 ± 94.3)	5.8
Failure Strain, %	4.45 ± 1.13	25.5

ATI-ROC-DBF3

- P200-10 base resin (not sensitized for LED cure)
- Cationic photocuring epoxy system

Property	Value	Coefficient of Variation, %
Tensile Ultimate, psi	6956 ± 77	1.11
Young's Modulus, psi	317,024 ± 7058	2.23
Failure Strain, %	3.94 ± 0.58	14.64