

## MULTIFUNCTIONAL EPOXY RESINS

PRODUCT NAME	EEW / WPE (g/eq)	VISCOSITY (cps)	APPLICATIONS / COMMENTS
L-238	175 – 185	20,000 – 50000 (@ 52°C)	Epoxy phenol novolac resin with functionality of 3.6. Provides high heat and chemical resistant coatings. Used in high performance coatings, composites and adhesives.
L-238 A - 85	175 – 185 (100 % Base Resin)	650 – 700	85 % Solvent-Cut of L-238 with Acetone
XR-20	200 - 240	1500 - 2000 (@ 150°C)	Brown, solid tetra-functional epoxy resin based on 1,1,2,2 – tetrakis (hydroxyphenyl) ethane. Used mainly as an additive to brominated epoxy resins for printed circuit board laminates as a UV blocker; It imparts fluorescence and facilitates auto-inspection of the laminate. It also increases Tg.
XR-13	117 - 134	7000 - 19000 (@ 50°C)	Tetra-glycidyl-4:4'-methylenebisbenzenamine – used for high performance composites with excellent retention of properties at elevated temperatures.
XR-23	106 - 116	3000 - 6000 (@ 50°C)	Lower viscosity version of XR-13 with better stability.
XR-93	120 - 133	9000 - 11000 (@ 150°C)	Di-ethyl substituted version of XR-13 with moderately low viscosity.