



EPOXY RESINS

Product Nomenclature	Type	Colour *	Viscosity at 25°C*	% Non volatiles #	Epoxide equivalent wt.	% Hydroly-sable chlorine content	Softening Point+	Specific gravity at 25°C	Remarks / Recommended Usages
R 5451	Solid epoxy resin	4 Max**	0.65-1.25**	–	450-530	–	64-70°C	1.21±0.02	Used in clear laquer, coal tar epoxy coating, white glossy finish
R 5452	Solution epoxy resin	2 Max**	63.4-148	75±1	450-550	0.1 Max	–	1.08±0.02	Product is suitable for cold curing chemical resistant paint & coatings. It is used for corrosion resistant coating with coal tar.
R 5460	Unmodified liquid epoxy resin	2 Max	63.4-148	99.5±0.5	185-200	0.3 Max	–	1.18±0.02	It is used in laminates, flooring composition, casting, bedding construction, electrical industries & grouting compounds
R 5467	Modified liquid epoxy resin	2 Max	4.35-6.27	–	175-200	0.5 Max	–	1.15±0.02	It is used in FRP laminates, flooring composition, casting, bedding construction, electrical industries & grouting compounds

* tested as such on Gardner scale. Viscosity measured in Poise. ** R 5451 tested 40% in diacetone alcohol.

% Non volatiles of R 5452 checked at 120 deg C for 2 Hrs & R 5460 checked at 120 deg C for one hr by spreading one gm resin in 60 mm diameter aluminium dish.

+ Softening point by ring and ball method with heating rate 5 deg C per minute



EPOXY DILUENTS (REACTIVE DILUENT)

Product Nomenclature	Type *	Colour	Viscosity at 25°C*	Epoxy equivalent wt.	% Hydroly-sable chlorine content	Specific gravity at 25°C	Remarks / Recommended Usages
OC 5196	Aromatic epoxy diluent	2 Max.	4-10 cps	170-185	0.5 Max	1.10±0.02	Electrical applications, flooring and adhesives

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Product Nomenclature	Type	Colour *	Viscosity at 25°C*	% Non volatiles #	Acid Value mgsKOH / gm	Xylene Tolerance @	Specific gravity at 25°C	Remarks / Recommended Usages
OC 5491	Epoxy ester (55% in xylene)	5 Max**	6.27-12.9	55±1	7 Max	1:8 min	1.05±0.02	Air drying & stoving chemical resistant finishes for appliances & metal decorations.

* tested 50% in Xylene on Gardner scale. Viscosity measured in Poise.

% Non volatiles checked at 120 deg C for one hr by spreading one gm resin in 60 mm diameter aluminium dish.

@ Xylene used in Laboratory reagent grade ortho xylene. Volume / volume basis

HARDENERS FOR EPOXY ESTER RESINS

Product Nomenclature	Type	Colour *	Viscosity at 25°C*	% Non volatiles #	Amine Value mgsKOH / gm	Recommended loading parts @	Gel time^	Specific gravity at 25°C	Remarks / Recommended Usages
OC 5104	Tertiary aromatic amine	11 Max**	2.5	—	550-610	2-15	15 mts (approx)	0.98	Accelerator for polyamide & epoxy polysulphide sealant

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