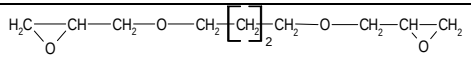
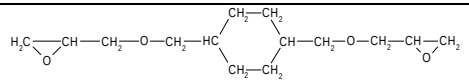
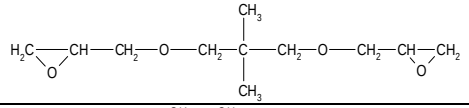
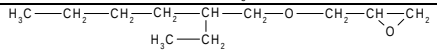
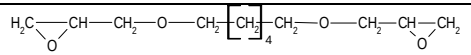
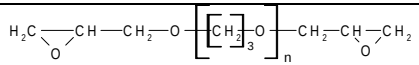
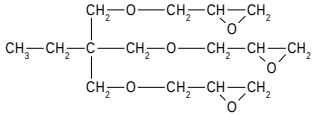
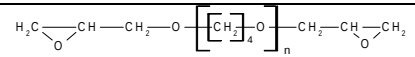
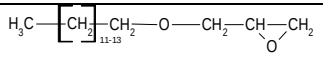
ipox® chemicals
customized epoxy technologies

ipox® RD reactive diluents

PRODUCT	CHEMICAL NAME	STRUCTURE	CAS. NR	EE	VISCO. η^{25}	GARDNER COLOR NO.	PROPERTIES OFEPOXY SYSTEMES
				g/eq	mPa s	(max.)	
ipox RD 3	1,4-Butandiol - diglycidylether		2425-79-8	130-145	12 - 22	1	- best difunctional diluent - mechanical properties are little influenced - very good solvent resistance
ipox RD 11	Cyclohexane-dimethanol-diGE		14228-73-0	165-185	60 - 90	2	-Moderate diluting properties excellent retention of mechanical properties -lowest creep
ipox RD 14	Neopentylglykol - diglycidylether		17557-23-2	150-160	15 - 25	2	- comparable to RD 18 - improved cost/ performance ratio - low volatility
ipox RD 17	2-Ethyl-Hexyl - glycidylether		2461-15-6	210-230	2 - 4	1	- excellent diluting properties - moderate smell - emulsifying properties
ipox RD 18	1,6-Hexandiol - diglycidylether		16096-31-4	147-161	15 - 25	1	- excellent mechanical properties - low volatility - excellent chemical resistance
ipox RD 19	Polyoxypropylenglycol - diglycidylether		26142-30-3 Polymer	305-335	40 - 90	2	- give impact-resistance resin system - hydrophobic character
ipox RD 20	Trimethylolpropane-polyglycidether		30499-70-8	140-150	120 - 180	2	- increases reactivity of epoxy resins - high degree of crosslinking - retention of HDT - good diluting properties
ipox RD 21	Poly(tetramethylenoxid) -diglycidylether		26951-52-0 Polymer	ca. 420	ca. 160	1	- for impact-resistant resin systems - hydrophobic character
ipox RD 24	C_{12}-C_{14}-glycidylether		68609-97-2	270-313	5 - 10	1	- excellent diluting properties - hydrophobic character - low volatility
ipox RD 61	C12-C14 EO_x-glycidylether		polymer	470 – 500	15 – 25	2	- for impact-resistant resin system - hydrophobic character

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