

Lower Free Monomer TDI Prepolymers

Now available from Era Polymers

Era Polymers is now happy to announce a number of lower free TDI versions for many of our prepolymer grades. Alongside our commitment to produce high quality polyurethane prepolymers it is also our responsibility to produce materials that are safer for our customers and the environment.



“Stripping” as it is known, is the physical process of reducing free TDI. It involves heating prepolymers up to temperatures well above 130°C. Instead of “Stripping” technology we have used our own expertise in chemically modifying the prepolymers design, to lower the Free TDI level in these new grades.

By chemically reducing the level of unreacted TDI, we are able to achieve the following benefits:

- Reducing TDI exposure to the processors
- Increasing material pot-life allowing for easier processing
- Improved physical properties – abrasion resistance and tensile strength improved by 20% and tear strength up to 40% higher

The following grades are now available:

PPG BASED

Product	Free TDI Content (%)	Pot life (mins)
L-ETL85A	0.3	10
L-ETL91A	0.5	6
L-ETL94A	0.7	5
L-ETL69D	0.9	4.5

PTMEG BASED

Product	Free TDI Content (%)	Pot life (mins)
L-E83A	0.3	15
L-E90A	0.2	10
L-E93A	0.4	8
L-E95A	0.8	8
L-EHP90A	0.9	13
L-E60D	0.8	5.5
L-E65D	0.6	5
L-ETX75D	0.9	4
L-ETX80D	0.3	6

POLYESTER BASED

Product	Free TDI Content (%)	Pot life (mins)
L-RN70A	0.6	12
L-RN90A	0.8	4
L-RN50D	0.9	5

POLYCAPROLACTONE BASED

Product	Free TDI Content (%)	Pot life (mins)
L-ECP61A	0.7	19

For more information on **Era Polymers** Lower Free Monomer TDI Prepolymers please contact **Era Polymers** on **+61 (0) 2 9666 3788**. Alternatively you can email, erapol@erapol.com.au

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