

### TDI Physical/Chemical Properties

	<b>2,4-TDI</b>	<b>2,6-TDI</b>	<b>80:20 TDI*</b>	<b>65:35 TDI*</b>
Molecular Formula	C <sub>9</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	C <sub>9</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	C <sub>9</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	C <sub>9</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight	174.16	174.16	174.16	174.16
CAS Registry Number	584-84-9	91-08-7	26471-62-5	26471-62-5
Melting Point/Freezing Point °C	21	10.5	-----	-----
Boiling Point °C (Atmosphere Pressure)	252-254 249 (DSC)**	247-249 244 (DSC)**	-----	-----
Relative Density	1.214 @ 25 °C	1.226 @ 20 °C	1.220 @ 20 °C	1.222 @ 20 °C
Flashpoint °C	-----	132.4	128	-----
Autoflammability °C	-----	>595	>598	-----
Explosivity	Not Explosive	Not Explosive	Not Explosive	Not Explosive

\* 80:20 TDI consists of 80% 2,4-TDI and 20% 2,6-TDI. 65:35 TDI consists of 65% and 35% of those isomers, respectively.

\*\*Differential Scanning Calorimetry

Source: M.A.L. Kelly, S.M. Otterside, D. Pemberton, *Physical Properties of MDI and TDI: A Review*, International Isocyanate Institute, Inc., III Report Reference Number 11272, June 1997.