

# Scuranate<sup>®</sup> T80



## Description

- ⇨ Scuranate<sup>®</sup> T80 is a mixture of the two isomers of TDI: 2,4-toluene diisocyanate (80%) and 2,6-toluene diisocyanate (20%).

## Applications

- ⇨ Polyurethane (PU) flexible foams (slab/molding)
- ⇨ PU elastomers
- ⇨ PU paints
- ⇨ PU adhesives
- ⇨ PU binders

## Handling and Storage

- ⇨ TDI (as well as other isocyanates) is a toxic reactive chemical that must only be handled under very strictly controlled conditions. It is therefore essential to carefully read its safety data sheet before processing it.
- ⇨ Scuranate<sup>®</sup> T80 is sensitive to moisture and should be kept in its sealed original container or in a storage tank under dry nitrogen blanketing. It should be stored at temperatures around 20-24°C. In these appropriate conditions, it can be stored for at least 12 months.
- ⇨ Storage at higher temperatures can lead to discolouring and formation of solids which can not be dissolved by heating. If Scuranate<sup>®</sup> T80 is stored at temperatures below 15°C, it can crystallise.
- ⇨ For more information please refer to the material safety data sheet and the handling guide available on [www.perstorp.com](http://www.perstorp.com)

## Sales specification

Toluene Diisocyanate Assay, % <sup>1</sup>	Min. 99.5
2,4 Isomer, % <sup>2</sup>	79.0-81.0
2,6 Isomer, % <sup>2</sup>	19.0-21.0
Acidity, as HCl, ppm <sup>3</sup>	Max. 15
Hydrolyzable Chlorine, ppm <sup>4</sup>	Max. 70
Total Chlorine, ppm <sup>5</sup>	Max. 300
Color, APHA <sup>6</sup>	Max. 15

## Typical property

NCO content, %	48.1 (approx.)
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Analytical Method

<sup>1</sup> NF52132, <sup>2</sup> NF52134, <sup>3</sup> NF52136, <sup>4</sup> NF52135, <sup>5</sup> PX0018, <sup>6</sup> NF20605

Analytical methods are available on request