Polyvion®

Product Name : Polyvion® TDI 80/20

CAS number : 26471-62-5

Chemical Type : Toluene Diisocyanate (TDI), isomer blend

Business Unit : Polyurethane

1. Product Description

Polyvion® TDI 80/20 is a mixture of the two isomeric forms of toluene diisocyanate, consisting of approximately 80% 2,4-TDI and 20% 2,6-TDI. It is used as a key intermediate for the production of polyurethane materials. Typical end uses include flexible polyurethane foams and selected CASE applications such as coatings, adhesives, sealants, and elastomers.

2. Typical Applications

- Flexible polyurethane foam for furniture and bedding
- Mattresses and pillows
- Transportation and construction-related polyurethane applications
- Coatings
- Adhesives
- Sealants
- Elastomers

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Appearance	–	Clear liquid, free from mechanical	Internal standard
Color (Hazen)	–	≤ 15	Internal standard
TDI purity	%	≥ 99.5	Internal standard
2,4-TDI isomer content	%	79.0 – 81.0	Internal standard

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Property	Unit	Typical Value	Test Method
Hydrolysable chlorides	%	≤ 0.0050	Internal standard
Acid content (as HCl)	%	≤ 0.0015	Internal standard

Note: Typical values are indicative only and do not constitute a specification.

4. Recommended Use

Polyvion® TDI 80/20 is intended for industrial use in polyurethane manufacturing. Processing suitability depends on formulation design, catalyst package, additives, production conditions, and end-use requirements. Users should validate compatibility and performance under their own processing conditions before commercial use.

5. Packaging & Logistics

Polyvion® TDI 80/20 is typically supplied in:

- 210 L steel drums
- Insulated tank lorry shipment

Packaging format, minimum order quantity, and shipment configuration are subject to confirmation at the quotation stage. The product is offered under standard Incoterms such as FOB, CFR, or CIF, as specified in the quotation. Quote validity is 30 days unless otherwise stated. Indicative lead times are provided at quotation and confirmed upon order acceptance.

6. Handling & Storage

Polyvion® TDI 80/20 reacts with water and may release carbon dioxide. During storage, transfer, and handling, contact with water in any form must be prevented. Containers should be kept tightly sealed and dry. Opened containers should be resealed promptly after use.

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