

Toluene Diisocyanate

Properties and Characteristics

Toluene Diisocyanate (TDI) is the basic monomer to synthesis polyurethane (PU), which can be then processed to make foams, elastomers, paints and adhesives.

Specifications

Property	Value
CAS Number	584-84-9
EINECS Number	247-722-4
Molecular Formula	C ₉ H ₆ N ₂ O ₂
Other Names	TDI
Appearance	Clear or pale yellow liquid

Index	TDI 80/20	TDI 100
Purity	99.5% min	99.5% min
Color (Pt-Co)	30 max	40 max
Isomer Ration (2,4/2,6)	80±1/20±1	98 min
Acidity (As HCL%)	0.004% max	0.005% max
Chloride Anion	0.01% max	0.01% max

Applications

This product is an isocyanate ester that can replace all or part of the TDI-80/20. It can improve the compression load of various materials. TDI-100 is widely used in the production of polyester-based soft foam, high-bearing sponges, semi-rigid ester foam, high resilience, slow rebound , paint and other industries.

Packaging

250kg iron drum. Max 20MT/20'FCL.