



Technical Data Sheet

Model: TRP

Product Category: Polyurethane Liquid Chain Extender

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|------------------------------------|---|---------------------------|
| Typical Properties | Appearance | Colorless and transparent |
| | Density (g/cm ³ , 25°C) | 1.060 |
| | Viscosity (mPa.s, 25°C) | 410±100 |
| | Equivalent Amount | 120 |
| | Water content % | ≤0.15 |
| Environmental Protection | It does not contain controlled heavy metals, o-benzene plasticizer and other environmental restricted substances. The polyurethane synthesized with this chain extender meets the requirements of international environmental protection regulations. | |
| Solubility | Easily soluble in various polyether / polyether polyols, plasticizers and other conventional polyurethane raw materials | |
| Applications & Features | TRP is a chain extender developed for polyurethane elastomers with medium and low hardness (< 70A). It is recommended to use it with 1,4-butanediol (BDO, BG). Its characteristics are as follows: <ul style="list-style-type: none">◆ It is liquid at room temperature and convenient to use.◆ Improve the compatibility of butanediol with macromolecular polyether / polyester: It is well compatible with polyester / polyether without delamination.◆ Long flow period and fast demoulding: Due to the small reaction difference with oligomer isocyanate and isocyanate monomer, it is conducive to the orderly growth of molecular weight.◆ Improve the shortcomings of surface sticking and dirt: Improve the defect of insufficient surface curing and tackiness caused by slow curing of the outer layer in the case of using BDO chain extension alone. | |
| User's Guide | <ul style="list-style-type: none">● The use process is the same as that of BDO and other liquid chain extenders;● Used alone as chain extender, it can be used for low hardness rubber rollers of TDI or MDI system (< 50a); If it is used in pure MDI system, it is recommended to use it in combination with BDO, with the ratio of TRP: BDO = 1:1 ~ 3.● The appearance of TRP is colorless and transparent liquid, which can be used for transparent products. | |
| Storage | Please store it in a cool, ventilated and dry warehouse far away from fire, sunlight and rain. | |
| Package | 25kg/200kg in HDPE drum | |
| Shelf Life | Unopened shelf life 24 months from production date. After expiration, it can still be used if it passes the inspection. | |

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