



TECHNICAL DATA SHEET

Compound :

AU

Polyesters modified with diisocyanates

ORIGINAL PROPERTIES : Analysis on supplier laboratory compound

Physical-mechanical properties	Unit of measurement	Requested
Hardness	Shore A	30 ÷ 99
Density	g/cm ³	1,10 ÷ 1,40
Minimum temperature	° C	- 20 ÷ - 30 *
Maximum temperature	° C	80 ÷ 100 * **

Physical-mechanical characteristics

Excellent mechanical properties
*Resistance to permanent deformation by compression from poor to very good * ***
Excellent resistance to abrasion
*Rebound elasticity from poor to high * ***
*Tear strength from good to excellent * ***

Other properties

*Gas and air impermeability from good to excellent **
Any flame resistance
*Dielectric properties from quite good to good ***

Chemical compatibility

Excellent in contact with:

- Oils and mineral, animal greases
- Vegetable oils (except castor oil)
- Aliphatic hydrocarbons, fuels without additives with alcohols
- Ozone

Satisfactory in contact with:

- Different types of Freon
- Some alcohols

Insufficient in contact with:

- Hot water, acids and basic substances
- Methyl alcohol
- Aromatic and chlorinated hydrocarbons (except perchlorethylene)
- Ketones

* depending from the types

** with a specific optimal formulation