



POLYSORB® LP, POLYSORB® PA & POLYSORB® P ISOSORBIDE

Description

POLYSORB® LP is a high purity grade of isosorbide grade under liquid form (80% D.S.).

POLYSORB® PA is a high purity grade of isosorbide under pellets form.

POLYSORB® P is a high purity grade of isosorbide under flakes form.

All grades are compatible with polymers for food contact applications.

POLYSORB® isosorbide helps enhance properties :

- Temperature resistance (POLYSORB® isosorbide is an aliphatic diol that insure the highest in crease of glass transition in polyesters),
- Optical properties (reduce haze in polyester),
- Surface hardness.

POLYSORB® isosorbide offers valuable solutions to performance materials markets: polyesters, composites and coatings, polyurethanes, etc.

On request, our team will help you to adopt the best grade tuned to your application.

Definition

Isosorbide/1,4 - 3,6 - dianhydrohexitol - CAS N°[652-67-5]

Specifications

	POLYSORB® LP	POLYSORB® PA	POLYSORB® P
Appearance	liquid	solid, white pellets	solid, white flakes
Purity	99.5% min. /D.S.	99.5% min. /D.S.	99.5% min. /D.S.
Water content	20.0% max	1.0% max	1.0% max
pH, 40% aq. Solution	6.5 - 8.5	6.5 - 8.5	6.5 - 8.5

Indicative values

Melting point.....	-	around 63°C	around 63°C
Solubility in ethylene glycol.....	-	Up to 60 w% at 25°C	Up to 60 w% at 25°C
Specific rotation	around + 46.0 deg.	around + 46.0 deg.	around + 46.0 deg.



Main improvements in your polymers

Chemical resistance
Mechanical properties
Temperature resistance



ROQUETTE

Offering the best of nature™