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ECOPROL

ECOPROL H1000 Technical Data Sheet

Product Description

ECOPROL H1000 is sustainable, 100% bio-based specialty polyether polyol produced using the 1,3-propanediol. ECOPROL delivers various unique properties such as elasticity, flexibility, soft touch and processability comparing with PTMEG in various PU applications due to its unique helical molecular structure. ECOPROL has a lower carbon footprint than other petro-based polyol, it has a 40% saving in non-renewable energy and 42% reduction in greenhouse gas emissions.

Key Attributes

- ✓ Increase Bio-content
(100% sustainable content)
- ✓ Increase flexibility, durability
(Elastic recovery, abrasion resistance)
- ✓ More efficiency process ability
(Low melting temperature, viscosity)
- ✓ Excellent Low temperature performance
- ✓ Bio-degradable

Applications / Uses

- ✓ Elastomer
- ✓ Textile coatings
- ✓ Synthetic leather
- ✓ Performance coating
(Additives for coating, water soluble PU)
- ✓ Inkjet inks
(Water soluble PU)

Physical and Chemical Properties

Properties	UNIT	Typical Values
Molecular Weight	g/mol	900 – 1100
Hydroxyl Number	mg KOH/g	102.0 – 124.6
Colour	APHA	max. 50
Moisture	ppm	max. 200
Viscosity, 25°C	cps	400-600
Density, 40°C	g/ml	1.018
Melting Point	°C	12 – 14

The data listed here is preliminary data sheet of product. Therefore this sheet should not be used to establish specification limits or used alone as a basis for design. This information is not intended as a warranty of any kind. Customers must make their own representative test and assume all risks of use, whether used alone or in combination with other products. SK Chemicals assumes no obligation or liability of any advice furnished by it or results obtained with respect to these products. All warranties of merchantability for a particular purpose or use are excluded and disclaimed.