

Technical Data Sheet

Ecopol 153

I. General description:

Ecopol 153 is an **aromatic polyester** polyol with high aromatic content based on PolyEthyleneTerephthalate (PET) combined with soy been oil.

This product is usable for the formulation of both high and low density polyurethane rigid foams and is especially designed to improve the flame retardant properties of the polyurethane foam.

The polyol has an excellent mixability with HCFC's, Pentane and water and is compatible with polyether polyols.

II. Chemical properties:

Color:	amber opaque	
OH-Number:	240 ± 10 mgKOH/g	
Aromatic content	45 %	
Acid number:	< 1.0 mgKOH/g	
Water content:	< 0.1 %	
Functionality:	2.1 - 2.3	
Viscosity at 25°C (77F):	7000 ± 1000 Cps	(mPas)
Density at 25°C (77F):	1.17 ± 0.02 g/cm ³	(0.68 ± 0.01 oz/in ³)

III. Availability:

Barrel	200 kg	(440 lb)
IBC container	1000 kg	(2,200 lb)
Bulk cargo	10 or 20 tons	(22,000 lb or 44,000 lb)
Isotainer	20 tons	(44,000 lb)

IV. Handling and safety information:

The polyol should be maintained with a temperature above 20°C. Lower temperature does not affect the chemical properties of the polyol but possibly the color and the viscosity.

The safety information is included in the Safety Data Sheet of the material which is available by request at Ecopur.