



Pluracol[®] 945

Molded Foam Polyol

Pluracol 945 polyol is a high molecular weight polyol for use in high water, low-density automotive seating foams where a high degree of foam stability is required. In combination with graft polyols, such as Pluracol 1528FF, Pluracol 945 produces molded foams from high-water, low-density formulations. These foams are less susceptible to mold leakage, voiding and basal cells than foams produced with other polyols, but do require crushing to prevent shrinkage. Pluracol 945 is more reactive than either Pluracol 816 or Pluracol 2097.

TYPICAL PROPERTIES

Appearance	clear liquid
Hydroxyl number, mg KOH/g	34.0 – 36.0
Water wt.% maximum	0.05
Acid number, maximum	0.01
Na & K, ppm maximum	5
Color, APHA maximum	30
Unsaturation, meq/g maximum	0.054
Nominal functionality	3
Nominal molecular weight	4800
Density, lbs/gal @ 70°F	8.55
100°F	8.43
120°F	8.33
Viscosity, cps @ 70°F	850
100°F	370
120°F	270
Specific heat, BUT/lb °F	0.5
Thermal conductivity, BTU/hr ft² °F/in	0.087

Storage

Pluracol 945 should be stored under dry conditions below 130°F.

Shipping information

20,000-gallon tank cars, 6,000-gallon tank trucks and 55-gallon nonreturnable steel drums are standard.

In case of chemical emergency:

Call CHEMTREC 800-424-9300 or BASF (800-832-HELP) day or night for assistance and information concerning spilled material, fire, exposure and other chemical accidents. Outside the U.S., call (703) 527-3887.

Warning

These products can be used to prepare a variety of polyurethane products. Polyurethanes are organic materials and must be considered combustible.

Attention:

This product is sold solely for use by industrial institutions. Refer to our Material Safety Data Sheet (MSDS) regarding regulatory compliance, safety, hazards, spill procedures and disposal of this product. An MSDS as well as additional information on BASF urethane chemicals may be obtained by telephoning BASF Corporation, Urethane Customer Service at (877) 297-3322 or faxing (734) 324-6866.

Important:

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE.

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