



Performance Chemicals Specialty Polyols

Typical Poly-Q® Polyol Properties**

Poly-Q® polyether polyols are based on ethylene diamine initiator. These four hydroxyl groups provide reactive sites for polyurethane reactions. The series is comprised of six products ranging in molecular weight of 280 to 4000. These products are typically used in rigid foam and elastomer applications to impart improved reactivity and cross-linking.

Poly-Q 40-480 was designed to provide more flexibility in comparison to 40-770 due to longer alkoxyated chains. Poly-Q 43-455 is designed to provide higher reactivity and better water compatibility.

Poly-Q 43-455 and 40-480 polyols features and benefits:

- Low viscosity for easier processing
- High functionality - Improved hardness, heat and chemical resistance, durability and scratch resistance.
- High reactivity – lower catalyst demand better batch consistency and lower catalyst costs

Table 1
Typical Physical Properties

Poly-Q ® Polyols	OH Number Avg. (mg KOH/g)	pH 10/6 IPA/H ₂ O	%Water Max.	Color Max (APHA)	Viscosity @ 25° C (cps)
40-56	56	10	0.05	50	650
40-770	770	12	0.05	30	50,000
40-800	800	12	0.05	30	17,000
40-480	480	12	0.05	2 Gardner	4,400
43-455	455	12	0.05	50	3,000

**Not to be construed as product specification

For More Information**Technical Service**

Technical Service is available to facilitate further use of Arch urethane chemicals. If you have a specific question or need further information, please write or call Urethane Technical Service, Arch Chemicals Plant, P.O. Box 547, 2450 Highway 933, Brandenburg, KY 40108-0547, (800) 370-9674.

How to Order

To place an order for delivery in the U.S. or Canada and to get fast answers on order status or product availabilities, call our toll free number: (800) 636-3786.

After your first order, you will be assigned your own personal Arch Customer Service Representative. When you call back, simply ask for your Customer Service Representative by name.

Written inquires may be sent to:

Arch Chemicals, Inc.
501 Merritt 7
Norwalk, CT 06856
Attention: Sales Director Performance Urethanes

Please refer to the Material Safety Data Sheet (MSDS) for complete information on Storage and Handling, Toxicological Properties, Personal Protection, First Aid, Spill and Leak Procedures, and Waste Disposal. To order an MSDS, call the Arch sales office listed below or the MSDS Control Group at (800) 511-MSDS. Before using or handling this product, the MSDS should be thoroughly reviewed.

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Eff. 4/15/2004