

Xthane QZ-E11

Modified Monomeric Diphenylmethane Diisocyanate (MDI) Terminated Polyether Prepolymer

Product Description:

Xthane QZ-E11 is an MDI terminated polyether prepolymer for use in elastomers as well as microcellular, integral skin and semiflexible urethane foam applications. This versatile prepolymer may be paired with a variety of extenders as well as additives and colorants to achieve the final product result. As with all polyurethane products, application and field testing are necessary to determine suitability of the selected product or product combination for each specific application.

Typical Properties of QZ-E11 Prepolymer			
Functionality, f	2.0	Equivalent Weight	280
NCO, %	14.7 – 15.2	Viscosity, mPa·s @ 60°C	250
Specific Gravity @ 25°C	1.14	Flash Point, PMCC	>230°F (110°C)
Appearance @ 25°C	Pale yellow clear liquid		

Storage and Handling:

Containers should be kept tightly closed to prevent moisture contamination. Do not reseal if contamination is suspected. Use of a dry nitrogen blanket for partial drums is recommended. Storage temperatures for Xthane QZ-E11 should be maintained between 77°F (25°C) and 95°F (35°C). For best results, this product should not be allowed to freeze, although it may be re-heated in a well ventilated oven for a period of time to re-liquify solid particles. To avoid product degradation, product temperature during re-heating should not exceed 140°F (60°C). An additional note of caution is that exposure to temperatures over 400°F (204°C) can create excessive pressure potentially causing containers to rupture.

Do not breathe aerosol or vapors. Exposure to vapors of heated MDI can be dangerous. To heat product properly, use well ventilated convection ovens or other methods that distribute heat evenly. Avoid using drum heaters or other heat sources that may cause excessive local heating.

Health and Safety Information:

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling any of the products listed above. Before working with these products, it is your responsibility to read and become familiar with the available information on its hazards, proper use and handling. This is extremely important and cannot be overemphasized. Information is available in several forms, e.g. material safety data sheets and product labels. To obtain this information, contact your ITWC, Inc. representative.