

Xthane QZ-29

Modified Monomeric Diphenylmethane Diisocyanate (MDI)

Product Description:

Xthane QZ-29 is a modified 4,4' diphenylmethane diisocyanate (MDI) used in formulations for microcellular foam and solid elastomer applications. 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-29			
Functionality, f	2.1		
NCO, %	29.0 – 30.0	Viscosity, mPa·s @25°C	25
Specific Gravity @ 25°C	1.22	Flash Point	200°C
Appearance @ 25°C	Clear to light yellow liquid	Freezing Temperature	59°F (15°C)

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-29 should be maintained between 68° and 86°F (20° and 30°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 158°F (70°C). Prolonged storage of QZ-29 at temperatures higher than 86°F (30°C) may cause the product to become turbid due to dimerization and degrade the quality of the product.

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.