

Xthane QZ-310

Polymeric Diphenylmethane Diisocyanate (PMDI)

Product Description:

Xthane QZ-310 is a polymeric diphenylmethane diisocyanate (PMDI) for use in polyurethane systems. Typical applications may include elastomers, rigid polyester and polyether urethane foams, binders and adhesives. 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-310			
Functionality, f	2.8		
NCO, %	31.0	Viscosity, mPa·s @25°C	150 - 250
Specific Gravity	1.24	Flash Point, PMCC	199°C
Appearance @ 25°C	Dark brown liquid	Freezing Temperature	32°F (0°C)

Storage and Handling:

Containers should be kept tightly closed to prevent moisture contamination. PMDI will react with water to form polyureas and liberate CO² gas potentially causing containers to expand and possibly rupture. Do not reseal if contamination is suspected. Use of a dry nitrogen blanket for partial drums is recommended. Storage temperatures for Xthane QZ-310 should be maintained between 64° and 86°F (18° and 30°C).

Do not breathe aerosol or vapors. Exposure to vapors of heated PMDI can be dangerous. To heat product properly, use well-ventilated convection ovens or other methods such as drum rollers or agitation to 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.