

Xthane QZ-P162

Polyisocyanate Prepolymer

Product Description:

Xthane QZ-P162 is a diphenylmethane diisocyanate (MDI) based polyisocyanate prepolymer that is an excellent choice for one and two component moisture-cure coatings such as corrosion resistant primers or sealants. Xthane QZ-P162 is soluble in esters, ketones, and aromatic solvents and may be paired with selected catalysts to enhance the reaction and cure time to desired levels. 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-P162			
Functionality, f	2.0		
NCO, %	15.5 – 17.5	Viscosity, mPa·s @ 25°C	5200 - 7000
Specific Gravity @ 25°C	1.14	Flash Point, PMCC	460°F
Appearance @ 25°C	Brown 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. Xthane QZ-P162 should be stored in cool dry areas. To avoid product degradation, product temperature during re-heating should not exceed 140°F (60°C). Prolonged storage of frozen or partially frozen material may create dimerization that could make the product unusable.

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 such as drum rollers or agitation that distribute heat evenly. Avoid using drum heaters or other heat sources that may cause excessive local heating. Alcohol should not be used with this material as it will react with the polyisocyanate.

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.

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