



**ISOTECH**

## TDS (TECHNICAL DATA SHEET)

### ISOKIT<sup>®</sup> CASTING AND INJECTION POLYURETHANE FOAM KIT

#### System Description

It is a two-component polyurethane foam kit system which is used in high quality casting and injection polyurethane applications with excellent adherence property. According to TSE EN 13415-1 non-flammability norms, it has the class B s2 d0 and contains R-134 gas as a blowing agent.

#### Component Data

	Unit	İZOTÜP Tube B	İZOTÜP Tube A	Test Method
OH Number	MgKOH/g	440		ASTM D 4274
NCO content	%		29-31	ASTM D 5155
Viscosity (20/25 0C)	mPa.s	750	250	ASTM D 4878
Specific Density (200C)	g/ml	117	1,23	ASTM D 891

#### Recommended Process Conditions

	Unit	Values
İSOKIT TUBE B	pbw	100
İSOKIT TUBE A	pbw	110

## Reaction Parameters

	Unit	Hand mix	Test Method
Cream Time	Second	30	İSOKIT QUALITY CONTROL
Gel Time	Second	60	İSOKIT İ QUALITY CONTROL
Open Casting Density	Kg/m <sup>3</sup>	28	İSOKIT QUALITY CONTROL

## Storage conditions

	Unit	İSOKIT TUBE B	İSOKIT TUBE A
Storage Temperature	°C	18-32	18-32
Shelf life (r)	Ay	12	12

\*It is recommended to keep it in a dry place that is not damp and at the temperatures specified in the original cask.

## Polymer Properties

	Unit		Test Method
Thermal conductivity	w/mk	0,022	
Performance Rate	Pbw		
Closed Cell Percentage	%	>90	ASTM D 2856
Molded Density	Kg/m <sup>3</sup>	28-32	ASTM D 1622
The first thermal conductivity, 10°	Mw/mK	22	UNI 7891
Compression strength (vertical strength to panel strength)	Kpa		UNI 6350
Dimensional Stability			UNI 8069
48 hours at -25°C	%	<1 max	
48 hours at 70°C	%	<1 max	

## Safety and Security Conditions

You can obtain technical information card on Safety and Security conditions (MSDS) from our İZOTÜP Sales Office. Isocyanate is an irritant for respiratory organs, eyes and skin. It may cause allergic effects when inhaled or in contact with skin. MDI is harmful when inhaled. The required measurements stated on the MSDS Forms should be noted during the production of these materials. This process should be applied for the potential hazards in the use of Tube B (polyol) as well as the use of other components.