

TECHNICAL DATA SHEET

MPR AP 1112/25 A

PRODUCT DESCRIPTION

MPR AP 1112/25 A Polyol is designed for the production of polyurethane rigid foam for domestic appliance, industrial type freezer, trailer, mobo, various feelers. Polyol system is used by adding cyclopentane (CP 70 or CP 95) as blowing agent.

DESCRIPTION OF PRODUCT'S COMPONENTS

POLYOL COMPONENT: MPR AP 1112/25 A; polyether polyol, stabilizator, catalyst.
ISOCYANATE COMPONENT: MPI 200 B; polymeric diphenylmethane diisocyanate.

TYPICAL COMPONENT PROPERTIES

	UNIT	MPR AP 1112/25 A	MPI 200 B	TESTING METHOD
DENSITY (21°C)	g/cm ³	1,08	1,20-1,25	DIN 51757
VISCOSITY (21°C)	MPa.s	3900-4400	200-250	ASTM D 4878
NCO CONTENT	%	-	30,8-31,0	ASTM 5155

RECOMMENDED PROCESS CONDITIONS

	NAME	UNIT	VALUE
POLYOL COMPONENT	MPR AP 1112/25 A	By weight	100
ISOCYANATE COMPONENT	MPI 200 B	By weight	143
BLOWING AGENT	CYCLOPENTANE	By weight	10-13

MACHINE PROCESSING

	UNIT	VALUE
COMPONENT TEMPERATURES	°C	20-22
MOULD TEMPERATURES	°C	35-45

The information provided herein is true and accurate to the best of our research, experience and knowledge. However, in the case of changes in the conditions and application methods, nothing in this bulletin is to be taken as a warranty, and previous trials are recommended. For further information and assistance, service is supplied by our technical staff and laboratories.



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*TYPICAL REACTION CHARACTERISTICS OF COMPONENTS

	UNIT	VALUE	TESTING METHOD
COMPONENT TEMPERATURES	°C	21	
CREAM TIME	s	9-13	INTERNAL MARDAS PU METHOD PR 001
GEL TIME	s	68-74	INTERNAL MARDAS PU METHOD PR 001
TACK FREE TIME	s	110-130	INTERNAL MARDAS PU METHOD PR 001
FREE RISE DENSITY	kg/m ³	24-25	INTERNAL MARDAS PU METHOD PR 002

*Tests were made by hand-mixed with mechanical stirrer at 3000 rpm in laboratory. Ambient temperature was measured 25°C. Actual values will be changed by high pressure and low pressure machine process. Reaction times start by mixing polyol component and isocyanate. Density is free rise density.

*HANDLING AND STORAGE

	UNIT	MPR AP 1112/25 A	MPI 200 B
STORAGE TEMPERATURE	°C	15-25	15-25
*SHELF LIFE	Month	6	6

*Product components are sensitive to moisture. So they must be stored in the original sealed drums at storage temperature. Polyol component must be mixed before use.

NOTICE REGARDING SAFETY AND USAGE

Material Safety Data Sheet (MSDS) will be provided to you by MARDAS POLYURETHAN sales representative during the product supply. It is advisable to review this form before handling and use and also to check your own handling, safety and process conditions. It is necessary to dispose of the finished product drums according to MSDS. MARDAS POLYURETHAN commits protecting human health and the environment during the production conditions and customer conditions. So MARDAS POLYURETHAN is always ready to help its customers in this regard. Please contact to your MARDAS POLYURETHAN representative when you need help.

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