

# IMPRESSION

## HMU - 90T

Cast Polyurethane Elastomers  
Prepolymer

IMPRESSION HMU -90T, a bi-liquid casting polyurethane system, is a greatly innovative polyurethane system with excellent physical properties and durability while applicable to a number of industrial usages like industrial roll, caster wheel, sprocket, and etc.

FEATURES	Better anti-abrasion Better, oil-resistance, ozone-resistance, and anti chemical reactive Outstanding water-resistance, cold-resistance. Outstanding physical performance Excellent elasticity High intensity against impact High working efficiency.
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CHEMICAL COMPOSITON	HMU-90T : Polyurethane Prepolymer(PTMG type) MOCA Cure System
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PROPERTIES of GOODS	HMU-90T - Appearance at room temp. : Wax Paste - Appearance at 80 : Transparent Liquid - Viscosity : 935 ± 200 cps/80 - NCO % : 4.2 ± 0.05
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APPLICATION METHOD	HMU-90T Temp. : 80-85 Curative Temp. : 110-120 MOCA Quantities(pbw, per 100) : 12.7 POT Life(min) : 5 Cure / hours at 100 : 1 Post Cure / hours at 100 : 16
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PHYSICAL PROPERTIES	Hardness(Shore A) : 90 Tensile strength(kgf/cm <sup>2</sup> ) : 252 100% Modulus(kgf/cm <sup>2</sup> ) : 145 300% Modulus(kgf/cm <sup>2</sup> ) : 190 Tear strength(kgf/cm) : 140 % Elongation : 390
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PROCESSING PROCEDURE	HMU-90T should be 80-85 and thoroughly degassed at 1-5m of vacuum until excessive foaming stops. The curative should be added to HMU-90T, the MOCA must first be melted at 110-120 prior to mixing. After adding the curative, mix thoroughly, being careful not to introduce air into the mixture. Pour mixed HMU-90T/MOCA into moulds which have been preheated to 80-100 and precoated with release agent.
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HANDLING & STORAGE	IMPRESSION HMU-90T contains small amounts of free TDI. There the product should be used in well ventilated areas. Avoid breathing in vapours and protect and eyes from contact. In case of skin contact, immediately remove excess, wash soap and water. For eye contact, immediately flush with water for at least 15minutes. Call a physician. If nose, throat or lungs become imitated from breathing in vapours, remove exposed person to fresh air. Call a physician. IMPRESSION HMU-90T can be stored for 12 months at below 25 . Please avoid exposure to humidity or temperature above 50 for long time. Please avoid contamination of water and alcohol.
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