



GETAHINDUS (M) SDN BHD (49583-A)

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GIVUL 2009

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PB/R5/161216/ GIVUL 2009

GIVUL 2009 is an ammonia-free, medium modulus pre-vulcanised natural rubber latex. It is specially recommended for use in a working environment that must be free of ammonia. It is suitable for surface cleaning prior to painting work particularly in restoration of building structures and coating applications. It renders films of high clarity, medium modulus and good ageing resistance.

1. TYPICAL PROPERTIES

Total Solid Content (%)	-	60.0
Alkalinity (%)	-	0.40
MST @ 55% TSC (sec.)	-	1800
Coagulum Content (ppm)	-	20
B/F Viscosity, 2/60 at 26±2 °C (cps)	-	130
pH	-	11.70

2. TYPICAL DIPPED FILM PROPERTIES OF **GIVUL 2009**

(FILM THICKNESS 0.15 – 0.18mm TESTED IN ACCORDANCE WITH ASTM TEST METHODS)

UNAGED (ASTMD412:1992)

Modulus at 700% Elongation (MPa)	12.0
Tensile Strength (MPa)	24.0
Elongation at Break (%)	850

AGED (22hrs at 100°C)–(ASTMD573:1988)

Modulus at 700% Elongation (MPa)	6.0
Tensile Strength (MPa)	27.0
Elongation at Break (%)	1000

The above information is given in good faith and without liability.

3. **APPLICATION**

GIVUL 2009 is particularly suitable for flooring (as a pre-cleaning agent) after compounded with suitable type of cleaning agent and also for various types of dipping and casting applications where ammonia is objectionable.

4. **PACKING**

GIVUL 2009 is packed in non-returnable, internal-lined drums of net weight 205kg or delivered in larger bulk quantities using suitable tank containers.

5. **STORAGE**

It is recommended that this product be stored in a sheltered premise, away from direct exposure to sunlight or subjected to temperatures above 35°C, but also not in extremely cold or freezing conditions. Some creaming of the product may occur over a long storage period, and if this has happened, stirring or gentle agitation is required to re-disperse the cream into the bulk of the latex before use.

A properly stored product should have a best used period up to 6 months. Longer storage than this period is however not recommended.

6. **TECHNICAL SERVICE AND INFORMATION**

The GETAHINDUS TECHNICAL TEAM comprises of qualified and experienced personnel. All R & D works are carefully thought of and meticulously planned when developing new products and materials to suit customers' requirements. All technical information and samples for evaluation are readily available. For any enquiry, please contact our Sales & Marketing Department.

7. **HEALTH HAZARD AND SAFETY**

GIVUL 2009 is a vulcanised NR latex containing a fixed alkali (potassium hydroxide), and hence the normal precautions taken in the handling of such alkaline solutions must be strictly followed. It should not be ingested or consumed. Avoid direct contact with the skin and eyes. If latex is accidentally splashed onto any part of the body or eyes, wash the affected area immediately with plenty of running water and seek medical advice if there is pain or sign of redness.

No adverse physiological reaction has been observed in the use of this product when it was handled correctly and used in the manner suggested above.