



GIVUL SMLA-21

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V11c/R2/S0126

GIVUL SMLA-21 is a special low extractable protein, low ammonia preserved medium modulus pre-vulcanised natural rubber latex containing antioxidants.

GIVUL SMLA-21 is particularly suitable for manufacturing catheters, dipped medical products and electrician gloves. It provides very high clarity and medium modulus properties to dipped products. It also gives excellent casting and binding characteristics to other latex products. The vulcanization system used in the production of **GIVUL SMLA-21** complies with the relevant sections of FDA and BGA requirements.

1. TYPICAL PROPERTIES

Total Solid Content (%)	-	60.5 ± 0.5
Alkalinity (%)	-	0.30 max.
MST @ 55% TSC (sec.)	-	900 min.
B/F Viscosity, 2/60 at 26±2 °C (cps)	-	120 max.
PH	-	10.50 ± 0.5

2. TYPICAL DIPPED FILM PROPERTIES OF GIVUL SMLA-21

(TYPICAL EXAMINATION GLOVES FILM WITH THICKNESS 0.12 – 0.15mm TESTED IN ACCORDANCE WITH ASTM)

UNAGED (ASTMD412:1992)

Modulus at 700% Elongation (MPa)	11.0 – 14.0
Tensile Strength (MPa)	25.0 – 29.0
Elongation at Break (%)	800 - 950

AGED (22hrs at 100°C)–(ASTMD573:1988)

Modulus at 700% Elongation (MPa)	8.0 min.
Tensile Strength (MPa)	19.0 min.
Elongation at Break (%)	800 min.

3. APPLICATION

GIVUL SMLA-21 is suitable for all categories of dipping especially for catheters, casting, binding, etc.

4. PACKING

GIVUL SMLA-21 is packed in non-returnable metal drums of net weight 205kg or delivered in bulk tank.

5. STORAGE

It is recommended to store this product under shade without exposure to direct sunlight at temperature below 35°C but not in freezing conditions. This will prevent the product from creaming and if this happens, stirring is required to re-disperse the cream.

A properly stored product should have a shelf life of 6–12 months. Longer storage than this period is not recommended.

GIVUL S/MLA-21, the EP will increase gradually during storage. It is recommended that usage should be within 3 months from the production date. Thereafter, longer leaching time than is necessary to achieve EP below 50ppm in the finished products.

6. TECHNICAL SERVICE AND INFORMATION

The GETAHINDUS TECHNICAL TEAM comprises of qualified and experienced personnel. All R & D work 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 SMLA-21 is an ammoniated latex compound containing vulcanizing ingredients. It is not to be consumed. No adverse physiological reactions have been observed when handling the product correctly and using it in the way suggested.

Avoid direct contact with the skin and eyes. If latex is accidentally splashed onto the eyes, wash with plenty of running water and consult a medical doctor immediately.

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