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Liquid Silicone Rubber of NJ-LSR8240EL-2A/B

Product Description

NJ-LSR8240EL-2A/B is a two-component, platinum curable liquid insulated silicone rubber for injection molding process. The vulcanized rubber is noted for the good mechanical properties as well as for the excellent dielectric behavior.

Key Feature

- Two-component system with mixing ratio of 1:1
- Outstanding aging and weather resistance
- Excellent UV and ozone resistance
- In accord with ROHS and other environmental protection request.

Application

NJ-LSR8240EL-2A/B is the right choice for economical production of LV/MV/HV insulators, hollow core bushings, surge arresters, etc.

Process

Component A and B are delivered ready to use in 20 kilogram pails and 200 kilogram drums. They can be pumped by means of standard metering equipment from these drums and mixing in a static mixer straight into the heated mold. The mixing ratio is 1:1.

At room temperature (23°C), mixtures of A and B components have a pot life of at least three days. Please clean the pipe and machine when to halt production for long time

Storage

The date of manufacture of each batch is shown on the product label.

Silicone rubber can be storage in room temperature with dry and ventilated environment. Especially in warm climate, storage of the material in an air-conditioned warehouse with cool (below 25°C) and dry conditions is mandatory. The storage period is 12 months.

Storage beyond the date does not necessarily mean that the product is no longer

usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Material safety data sheets are available upon request from NANJU.

Product Data

Typical general characteristics	**Inspection method**	**Unit**	**Specification**
Uncured			
Color			A: Gray B: Transparent
Viscosity of Component A	DIN53019	Pa.s	40-80
Viscosity of Component B	DIN53019	Pa.s	40-80
TC90 at 130℃	GB/T9869	M:S	0:45~0:55
Cured (after mixed at 1:1 ratio)			
Color			Gray
Specific Density	D792	g/cm3	1.08-1.12
Hardness Shore A	D2240	OA	34-38
Tensile strength	D214	mPa	≥5.0
Elongation at break	D412	%	≥400
Tear strength	D624B	KN/m	≥25.0
Dielectric strength	ASTM D149	KV/mm	⩾20
Volume resistivity	IEC 60093	$10^{15}\Omega$.cm	⩾0.1
Tracking class	IEC 60587		1A4.5

Silicone rubber can be cured under 120 °C for 5 minutes after A/B mixed at 1:1 ratio.