

DJSilicone NE--E-1/NE-E-1U

Silicone

DONGJUE SILICONE (NANJING) CO., LTD

Message:

With excellent processing properties, High Voltage Insulator can meet various kinds of technical requirements for both molding and injection. It also has very good insulating properties, hydrophobicity, tracking, erosion and fire resistance. It is suitable for making electrical equipments such as compound arrester, insulator and casing pipe for railway and city light-train and etc.

T1, C1, D1, E1 are suitable for molding and T2, C2, D2, E2 are suitable for injection or extrusion.

Comparing with common silicone rubber, this product has better tensile strength, elongation at breakage, tear strength properties. It is suitable for those molding products which require high physical and mechanical properties.

General Information			
Features	Electrically Insulating		
	Flame Retardant		
	Low to No Water Absorption		
	Tracking Resistant		
Uses	Electrical/Electronic Applications		
	Piping		
	Standoff Insulators		
Appearance	Grey		
	Red		
	White		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.45 to 1.51	g/cm ³	ASTM D1505
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	56 to 60		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Set	< 2	%	ASTM D412
Tensile Strength (Yield)	> 4.00	MPa	ASTM D412
Tensile Elongation (Break)	> 240	%	ASTM D412
Tear Strength	> 12.0	kN/m	ASTM D624
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+14	ohms · cm	ASTM D257
Dielectric Strength	> 17	kV/mm	ASTM D149
Dielectric Constant	3.00 to 4.00		ASTM D150
Dissipation Factor	< 0.070		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flammability	FV-0		

Erosion Resistance - Depth of Erosion	< 2.50	mm
Track Resistance	TMA4.5	

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