



Low Viscosity Two-component Silicone Potting Rubber

DSE3289**DESCRIPTION**

DSE3289 is a two-component, low viscosity silicone designed for electrical and electronic potting. This product cures at room temperature and curing time can be accelerated by heat. Especially DSE3289 doesn't cause any damage to plastics, including PC(Poly-carbonate), PP, ABS, PVC etc, because there is no reactive by-products. After curing, like general silicone rubbers, posses excellent heat, cold, weather resistance. As well as excellent electrical properties for use as sealant for electrical communications machinery, automotive parts and as potting material for small parts.

KEY FEATURES

Low viscosity silicone designed for electrical and electronic potting.

- ▶ No reactive by-products-no concerns regarding corrosion
- ▶ Cure rate can be accelerated by heat
- ▶ Excellent resistance to temperature extremes
- ▶ Excellent electrical properties. Even in harsh environments, DSE3289 is retains its electrical properties

APPLICATIONS

- ▶ Potting of electronics parts requiring resistance to temperature extremes
- ▶ Potting of high voltage parts
- ▶ Moistureproof coating of electronic circuit boards
- ▶ Potting of various modules

TYPICAL PROPERTY DATA

(JIS K 6249)

BOFORE CURING	Part A	Part B
Appearance	Flowing paste	Flowing paste
Colours	Black	White
Cure Type	Additional	Additional
Specific Gravity at 25°C (g/ml) (standards ISO R 1183,DIN 53479,NMRPS 703)	1.38	1.38
Viscosity (cps)	3000	1100

CURING	
Tack-free Time (min) (23°C, 50%)	60
Cured thickness after 24h (mm) (23°C, 50%)	10
Viscosity after mixing (cps)	1500



DSE-3289

CURED PRODUCT	
Specific Gravity at 25°C (g/ml) (standards ISO2781,ASTM D297,BS 903 Part A1)	1.36
Shore A hardness (Standards ISO R868,DIN 53505,ASTM D 2240, BS 903 Part A7,NFT 46003,NMRPS 471)	40
Dielectric strength (KV/mm) (standards NF C 26225,ASTM D 419,IEC 243)	23
Dielectric constant at 1 MHZ (standards NF C 26230,ASTM D 150,IEC 250)	3.6
Power factor at 1 KHZ (standards NF C 26250,ASTM D 150,IEC 250)	1.98×10^{-3}
Volume resistivity,Ω.cm (standards NF C 26215,ASTM D 257,IEC 93)	1×10^{15}

* Testing is performed in accordance with current EST material test methods, laboratory

* Typical property data values should not be use as specifications

SPECIFICATION

Typical product data values should not be used as specification. Assistance and specification are available by contacting YanTai E.S.T. silicone technology co.,LTD

HANDLING AND SAFETY

When solvent are used, proper safety precautions must be considered toxic and must be used only in well ventilated areas.

USABLE LIFE AND STORAGE

When stored at or below 25°C (77°F) in the original unopened containers, this product has a usable life of 12 months from the date of manufacture.

CAUTION!	HANDLING PRECAUTIONS	FIRST AID MEASURES
<p>1.FOR INDUSTRIAL USE ONLY</p> <p>2.This product is neither terted nor representde as suitable for medical or pharmaceutical uses.</p> <p>3.Do not use this product for other than its intended use,or user shall bear responsibility for any problems.</p>	<p>1.Wear suitable protective goggles, respirator and gloves.</p> <p>2.Use only where an adequate ventilation system is avallable to sxhaust poisonous gases.</p> <p>3.After handling,wash face and hands very thoroughly.</p> <p>4.Keep out of reach of children.</p> <p>5.Store in a cool,dark and dry place.</p>	<p>1.Inhalation:Remove to fresh air and get medical attention immediately.</p> <p>2.Eye contact:Immediately flush eyes with plenty of water for at lest 15minutes.Get medical attention immediately.</p> <p>3.Skin contact:Immediately flush skin with plenty of soop and water for at least15minutes.Get medical attention immediatly.</p> <p>4.Ingestion:Induce vomiting and get medical attention immediately.</p> <p>5.See material safety data sheet.</p>