

Product Data

General Purpose Silicone Rubber Compound TSE221-7UK

TSE221-7UK is a general purpose, peroxide cured silicone rubber compound for molding.

KEY FEATURES

- ◆ Suitable for JIS B 2401 4C O-ring
- ◆ Excellent processability
- ◆ Well balanced physical property

APPLICATIONS

- ◆ Roller, O-ring, Gasket, Diaphragm, Bush, Sheet, Keypad

TYPICAL PROPERTY DATA

(JIS K 6249)

UNCURED PROPERTIES		
Appearance		Light gray
Williams' Plasticity		280
CURED PROPERTIES (Press cure 10min @ 170°C; Post cure 4h @ 200°C)		
TC-8 curing agent	%	0.5
MECHANICAL PROPERTIES		
Density (23°C)	g/cm ³	1.32
Hardness (Type A)		70
Tensile Strength	MPa {kgf/cm ² }	6.6 {67}
Elongation	%	260
Tear Strength (Angle)	N/mm {kgf/cm}	18 {18}
Linear Shrinkage	%	3.2
Compression set (22h @ 180°C)	%	17
HEAT RESISTANCE (24h @ 230°C)		
Hardness change (Type A)		+1
Tensile strength change	%	+11
Elongation change	%	-14
OIL RESISTANCE (70h @ 175°C, No1 oil)		
Hardness change (Type A)		-4
Tensile strength change	%	+3
Elongation change	%	-14
Volume change	%	+4

Typical property data values should not be used as specifications. Assistance and specifications are available by contacting GE Toshiba Silicones Commercial Office.

HANDLING AND SAFETY

- ◆ Wear eye protection and protective gloves as required while handling the product.

- ◆ Cure only where appropriate ventilation systems exist.

STORAGE

- ◆ Store in a cool and dry place out of direct sunlight.
- ◆ Keep out of the reach of children.

PACKAGING

20kg box

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FOR INDUSTRIAL USE ONLY

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