

Product Data

General Purpose Silicone Rubber Compound TSE221-5UA, TSE221-5UC

TSE221-5UA and TSE221-5UC are 50 durometer, general purpose, peroxide cured silicone rubber compounds for molding.

KEY FEATURES

TSE221-5UA

- ◆ Low yellowing
- ◆ Good flowability

TSE221-5UC

- ◆ Good flowability
- ◆ Excellent mold releasability

APPLICATIONS

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

TYPICAL PROPERTY DATA

(JIS K 6249)

UNCURED PROPERTIES		TSE221-5UA	TSE221-5UC
Appearance		White, translucent	White, translucent
Williams' Plasticity		210	200
CURED PROPERTIES (Press cure 10min @170°C; Post cure 4h @ 200°C)			
TC-8 curing agent	%	0.5	0.5
MECHANICAL PROPERTIES			
Density	g/cm ³	1.17	1.16
Hardness (Type A)		50	50
Tensile Strength	MPa	10.5	9.0
Elongation	%	410	360
Tear Strength (Angle)	N/mm	24	25
Linear Shrinkage	%	4.0	4.0
Compression set (22h @ 180°C)		19	15

Typical property data values should not be used as specifications.

HANDLING AND SAFETY

- ◆ Wear eye protection and protective gloves as required while handling with 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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