

General Purpose Silicone Elastomer

TSE221 series

TSE221 series are general-purpose type heat cured compounds for molding.

KEY FEATURES

- ◆ Excellent process ability.
- ◆ Well balanced physical properties
- ◆ 30, 40, 50, 60, 70, 80 durometer grades available

APPLICATIONS

- ◆ O-rings
- ◆ Gaskets
- ◆ Sheets
- ◆ Key-pads

TYPICAL PROPERTY DATA

UNCURED COMPOUND	TSE221-3U	TSE221-4U	TSE221-5U	TSE221-6U	TSE221-7U	TSE221-8U
Appearance	Translucent			Light gray		
Specific Gravity (23°C)	1.08	1.13	1.16	1.25	1.32	1.42
Williams Plasticity	120	180	220	250	280	350

CURED COMPOUND (Press cure 10min @ 170°C; Post cure 4hrs @ 200°C)

TC-8 curing agent phc	0.6	0.5				
MECHANICAL PROPERTIES (JIS K6249)						
Hardness(Type A)	30	40	50	60	70	80
Tensile Strength MPa {kgf/cm ² }	4.8 {49}	8.4 {86}	8.7 {89}	6.6 {67}	6.8 {69}	7.0 {71}
Elongation %	480	480	350	250	220	160
Tear Strength (Angle) N/mm{kgf/cm}	15 {15}	24 {24}	25 {25}	22 {22}	20 {20}	18 {18}
Linear Shrinkage %	4.6	4.2	3.9	3.5	3.1	3.1

TSE221 series

HANDLING, SAFETY AND STORAGE

- ◆ Wear eye protection and protective glove when handling with this product.
- ◆ Store in a cool and dry place out of direct sunlight.
- ◆ Keep out of the reach of the children.

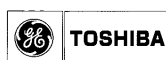
PACKAGING

20kg box

TSE221SERIES E
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FOR INDUSTRIAL USE ONLY

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