Product Data —

High Tear Strength Silicone Rubber Compound TSE260 series

TSE260 series is a high tear strength peroxide cured silicone rubber compound for molding.

KEY FEATURES

- ♦ Excellent tear strength
- ♦ Translucent
- ♦ 30, 55 and 70 durometer grades available

APPLICATIONS

Extremely tear resistant parts:

- ♦ Diaphragms
- ♦ O-rings
- Gaskets
- ♦ Boots
- ♦ Baby bottle nipples

TYPICAL PROPERTY DATA

(JIS K 6249)

PROPERTIES		TSE260	TSE260	TSE260
		-3U	-5U	-7U
UNCURED PROPERTIES				
Appearance		Translucent	Milky white, Translucent	
Williams plasticity		160	210	320
CURED PROPERTIES (Press cure 10min @170°C; Post cure 4h @ 200°C)				
TC-8 curing agent	%	0.3	0.3	0.6
MECHANICAL PROPERTIES				
Specific gravity (23°C)		1.09	1.13	1.18
Hardness (Type A)		30	55	70
Tensile strength	MPa {kgf/cm ² }	10.0 {10.2}	11.4 {116}	11.5 {117}
Elongation	%	900	680	540
Tear strength (Crescent)	N/mm {kgf/cm}	32 {33}	33 {34}	34 {35}
Linear shrinkage	%	4.1	4.4	4.3
Compression set*	%	28	24	26
ELECTRICAL PROPERTIES				
Volume resistivity	MΩ·m	3.0×10^{8}	3.0×10^{8}	3.0×10^{8}
Dielectric strength	kV/mm	28	30	27
HEAT RESISTANCE (72h@250°C)				
Hardness change		+1	+9	+6
Tensile strength change	%	-36	-21	-21
Elongation change	%	-32	-45	-43

^{*: 180°}C, 22h

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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 when handling this 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.

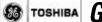
PACKAGING

20kg box

Issued Feb. 2000/1st revised Jan. 2003, TSE260 series E

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