

TDS KMPSI-60

FEATURES	BENEFITS	COMPOSITION
<ul style="list-style-type: none"> • General – purpose extrudable rubber 	<ul style="list-style-type: none"> • Good processability • Good mechanical properties 	<ul style="list-style-type: none"> • Silicone polymer • Silica

DESCRIPTION:

KMPSI-60 is general – purpose extrudable silicone rubber stocks which has durometers of 60. The compounds is designed to accept moderate to high levels of reinforcing or extending fillers and additives for property variation. They can be blended with each other in any proportion to achieve intermediate shore hardness.

APPLICATIONS:

Extrusions seals, sheets, tubing and profiles.

KEY PERFORMANCE PROPERTIES:

- Simplicity and accuracy in compounding.
- Formulation versatility to achieve and use requirements.
- Easily compounded and fabricated using conventional techniques.

TYPICAL PROPERTIES:

<u>Properties</u>	<u>Test method</u>	<u>Unit</u>	<u>KMPSI-60</u>
Appearance	ASTM E1767	-	Transparent
Williams plasticity	ASTM D926	-	210
Curing condition	Curing agent	-	¹⁾ KC-2
	Amounts	Phr	1.5

	Press 1 st cure	-	5mins, 120°C
	Oven 2 nd cure	-	4hrs, 200°C
Specific gravity	ASMT D792	-	1.16
Hardness	ASMT D2240	Shore A	60
Tensile strength	ASTM D412	MPa	8.0
Elongation	ASTM D412	%	330
Tear strength	ASTM D624 C	N/mm	29.0
	ASTM D624 B		--
Linear shrinkage	JIS K6249	%	3.1
Compression set (22hrs at 175°C)	ASTM D395	%	32

1) KC-2 : 2,4-dichlorobenzoyl peroxide 50% paste

- ❖ Typical properties should not be used as specifications. They are evaluated in laboratory, and can be different from test condition.

HOW TO USE:

For blending or coloring, milling with two-roll mil is the most suitable process. Milling time should be carefully decided to secure uniformity of materials.

LIMITATION:

The featured product must be checked prior to use

- 1) If applying to other purposes, defects can be generated.
- 2) If using non-suggested curing agents, its own properties can be altered.
- 3) If mixing with other products, degradation of properties and defects can be caused.
- 4) Additives or pigments must be used under technical support of MEREFSA.
- 5) If it's first use, product must be applied after technical suggestion and assistance of MEREFSA.

Any other inquiries or methods of use can be found on MEREFSA webpage and enquired technical support team at MEREFSA.

HANDLING PRECAUTIONS:

- Wear eye protection and protective gloves when handling this product.
- Material Safety Data Sheets are available upon request from MEREFSA.

SAFETY AND STORAGE:

- Use it within 12 months from the date of manufacture.
- Keep out of reach of the children.
- During transportation, try to avoid direct sunlight. Conditions of under 30°C. with shade is commended.
- If store condition is not fulfilled, the products' lifetime may be affected. Also, deterioration of the products' quality within shelf life time may occur.

PACKAGING:

20 kg box, 480 kg box

WARRANTY INFORMATION – Please read carefully:

This TDS is considered to be accurate. MEREFSA guarantee of the product will apply, only if conditions on TDS (limitation, notice, application) are fulfilled within expiry date. If not, MEREFSA cannot guarantee the quality of the product.

MEREFSA sole warranty is that the product will meet the MEREFSA sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to replacement of any product shown to be other than as warranted. MEREFSA specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless MEREFSA provides you with a specific, duly signed endorsement of fitness for use, MEREFSA disclaims liability to any incidental or consequential damages.

Suggestions of use shall not be taken as inducements to infringe any patent.

THE DATE OF ISSUE:

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- ❖ Please refer to MSDS if you want to know more specific usage or caution. For further information, please visit our website, www.merefsa.com