ELASTOSIL® R 757/60

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High Consistency Silicone Rubber (HCR)

Vulcanizates of ELASTOSIL® R 757/60 possess excellent resistance to hot air, particularly after addition of heat stabilizer. The material shows good tear resistance, low compression set, and high elasticity. Appliance cables in accordance with UL 758, 250 °C rating.

Properties

- good mechanical properties
- good rheological properties
- outstanding heat stability

Specific features

- Good heat stability

Technical data

Properties Cured

Cured 15.165 °C after adding 0.7% of EL AUX Crosslinker C1; Post-Cured 4 h/200 °C

Property	Condition	Value	Method
Appearance	-	Translucent	DIN ISO 2137
Hardness Shore A[(1)]	-	62	DIN 53505
Tensile strength	-	8.5 mPa	DIN 53404 S1
Specific gravity	-	1.16 g/cm³	-
Specific gravity	20 °C	1.16 g/cm³	-
Tensile strength	-	8.5 mPa	-
Tensile strength	-	6.9 mPa	-
Elongation at break	-	400 %	DIN 53404 S1
Tear strength	-	> 27 N/mm	ASTM D 624 B
Rebound resilience	-	60 %	DIN 53512

[1] ± 5

These figures are only intended as a guide and should not be used in preparing specifications.

Heat resistance

With 1.5% of EL AUX Stabilizer H3

Property	After heat aging 60 d / 260 °C	Method
Hardness Shore A	71	DIN 53505
Tensile strength	6.9 MPa	-
Elongation at break	200 %	DIN 53404 S1

These figures are only intended as a guide and should not be used in preparing specifications.

Applications

- Safety Cables

Application details

Appliance cables in accordance with UL 758, 250 °C Rating

Processing

Vulcanizates that have not been post-cured can be used in numerous applications as post-curing has only little effect on mechanical properties. To obtain optimum compression set values it is advisable to post cure for 4 h at 200 °C.

Packaging and storage

Storage

The "Best use before end date" of each batch is shown on the Certificate of Analysis. Storage beyond the date specified on the Certificate of Analysis does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet.

QR Code ELASTOSIL® R 757/60

For technical, quality or product safety questions, please contact:

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