

POWERSIL[®] 440 MH

High Consistency Silicone Rubber (HCR/HTV)

POWERSIL[®] 440 MH is a ready-to-use, electrically conductive silicone rubber grade for all types of moulding applications.

Properties

Specific features

- Electrically conductive

Technical data

Properties Cured

Cure conditions: 190°C 10min

Property	Condition	Value	Method
Appearance	-	black	-
Hardness Shore A	-	42	DIN ISO 48-4
Density	-	1.11 g/cm ³	DIN EN ISO 1183-1 A
Tensile strength	-	7.5 N/mm ²	ISO 37 type 1
Elongation at break	-	500 %	ISO 37 type 1
Tear strength	-	12 N/mm	ASTM D 624 B
Volume resistivity	-	30 Ohmcm	IEC 62631-3-1

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

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Cable Accessories

Application details

- field grading for cable accessories other electrically conductive parts

Processing

POWERSIL® 440 MH can be easily processed like other standard HCR grades. A profitable processing is easygoing as POWERSIL® 440 MH is shipped ready-to-use.

Press-moulding and injection-moulding are suitable for crosslinking POWERSIL® 440 MH. After vulcanizing, post curing of the parts is highly recommended at a temperature of 200 °C. While post curing be careful to have sufficient ventilation.

Packaging and storage

Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label 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

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code POWERSIL® 440 MH



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

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