

POWERSIL[®] 415 MH

High Consistency Silicone Rubber (HCR/HTV)

POWERSIL[®] 415 MH is a high permittivity high consistency silicone rubber used for the production of refractive field control devices for cable accessories.

Properties

- supplied ready-to-use
- suitable for all types of moulding applications

Specific features

- High dielectric permittivity

Technical data

Properties Cured

Cure conditions: 190°C 10min

Property	Condition	Value	Method
Appearance	-	black	-
Hardness Shore A	-	41	DIN ISO 48-4
Density	-	1.32 g/cm ³	DIN EN ISO 1183-1 A
Tensile strength	-	3.0 N/mm ²	ISO 37 type 1
Elongation at break	-	470 %	ISO 37 type 1
Tear strength	-	25 N/mm	ASTM D 624 B
Volume resistivity	-	> 10 ¹² Ohmcm	IEC 62631-3-1
Permittivity	50 Hz	15.0	IEC 62631-2-1
Dissipation factor	50 Hz	15x10 ⁻²	IEC 62631-2-1

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

The material is especially designed for the production of refractive field control devices for cable accessories.

Processing

POWERSIL® 415 MH is designed for all kinds of moulding applications. It can be processed like other standard HCR grades. A profitable processing is easy going for POWERSIL® 415 MH is shipped ready-to-use.

Packaging and storage

Packaging

This product is available in 20 kg and 540 kg cardboard packaging.

Special delivery forms are possible but depend on several technical and commercial aspects. Please contact your local sales manager in such cases.

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® 415 MH



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

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