

AC161 SPBK Custom Elastomer Compound

Description

AC161 SPBK is a one-component addition cure HCR/HTV ready to use black silicone rubber from Momentive Performance Materials. This compound is suitable for moulding and was especially developed for technical moulded parts eg. Spark Plug Boots in the automotive area.

Key Features and Typical Benefits

AC161 SPBK can be directly conveyed to production process, no further cost intensive milling or mixing required.

- Good mechanical properties
- Good heat resistance
- Excellent processing and flow behaviour
- Short injection time and cycle time
- Very good de-moulding behaviour

Typical Product Data

| | | | |
|--|-------------------|-----------------|-------|
| Typical Properties of the Vulcanized Rubber: Test results on moulded slabs. Vulcanization conditions: 20 mins. @ 175°C | | | |
| Appearance | | | Black |
| Mechanical Properties | | | |
| Density | g/cm ³ | DIN 53 479A | 1.18 |
| Hardness | Shore A | DIN 53 505 | 58 |
| Tensile Strength | MPa | DIN 53 504 S2 | 9 |
| Elongation At Break | % | DIN 53 504 S2 | 500 |
| Tear Strength | N/mm | ASTM D624 Die B | 30 |

Typical product data should not be used as specifications. For assistance and specifications please contact Momentive Performance Materials.

Containers

AC161 SPBK is available in 500Kg cardboard boxes.

Instructions for Use

AC161 SPBK is a ready to use compound. Can be compression moulded, injection moulded or steam cured.

Cure inhibition: Being a platinum cure mechanism, the following contaminants can cause cure inhibition.

- Amine derivatives: Organic and inorganic basic compounds
- Sulfur Products: Anti-oxidants from plastics (thio compounds and sulphides)
- Metal Soaps: Mould release agents or anti-acids as Zn or Ca Stearate from Polyolefins
- Tin compounds
- Phosphorous products: Anti-oxidants from plastics (phosphines and phosphates)

Storage Period

The warranty period of AC161 SPBK is 3 months from the date of manufacture, if stored in the original unopened boxes and stored at dry conditions at room temperature (max. 27°C). The shelf life will be indicated by the “use before date” on the associated Certificate of Analysis.

Availability

AC161 SPBK may be ordered from your regular sales contact.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Contact Information

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For literature and technical assistance, visit our website at: www.momentive.com

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