

AC 160 SPBK

Product Description **AC 160 SPBK** is a one-component addition cure HCR / HTV ready-to-use black silicone rubber from Momentive performance materials. The silicone rubber is suitable for moulding and was especially developed for technical injection moulded parts e.g. Spark Plug Boots in the automotive area.

SPBK = Spark Plug Boot Black

Key Performance Properties **AC 160 SPBK** can be directly conveyed to the production process, no further cost intensive milling or mixing required.

- Good mechanical properties
- Outstanding electrical properties
- High heat resistance
- Excellent processing and flow behaviour
- Short injection time and cycle time
- Very good demoulding behaviour
- Dry and non sticking surface
- Odourless, free from crosslinker by-products
- Low compression set even after a reduced post curing
- **AC 160 SPBK** fulfills requirements of BERU Norm 916.1

Typical Product Data

Typical Characteristics of uncured AC 160 SPBK			
Appearance			black
Specific gravity	DIN 53 479 A	g/cm ³	1.18
Mooney viscosity	DIN 53 523		
ML (0) 25°C		ME	49
ML (4) 25°C		ME	40

Typical Properties of the Vulcanized Rubber:			
Test results on moulded slabs, Vulcanization conditions: 10 min.175 °C, post cured: 4 hrs. 200 °C in hot air			
Hardness	DIN 53 505	Shore A	60
Tensile strength	DIN 53 504 S2	N/mm ²	10
Elongation at break	DIN 53 504 S2	%	500
Tear strength	ASTM D 624 die B	N/mm	30
Compression Set 22h/200°C	DIN 53 517	%	25

Specifications Typical Product Data should not be used as specifications. Assistance and specifications are available by contacting Momentive performance materials.

Containers AC 160 SPBK is available in 25kg and 500kg kit size

Instructions for Use The mix should be stored wrapped in polythene and should be used as soon as possible. It has a shelf life of three months from the date of manufacture.

On the basis of this information Momentive performance materials is of the opinion that the mentioned products may safely be used in producing, manufacturing, packing, processing, treating or holding food when manufactured and formulated as prescribed by Momentive performance materials.

The products must be allowed to cure fully and surfaces should be thoroughly cleansed prior to its first use.

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
anti-acids as Zn or Ca stearate from Polyolefins
- Tin compounds
- Phosphorous products :
anti-oxidants from Plastics (phosphines and phosphates)

Handling and Safety Material Safety Data Sheets are available upon request from Momentive performance materials. Similar information for other chemicals used with Momentive performance materials products may be obtained from your suppliers.

Storage Period The shelf life of the AC 160 SPBK is 3 months if stored in the original unopened boxes and stored at dry conditions at room temperature (max. 27 deg. C). The storage warranty period begins with the date of shipment.

Availability AC 160 SPBK products may be ordered from your regular sales contact or please call Momentive performance materials, Bergen-op-Zoom, Netherlands at 00800-4321-1000 to find out which is the nearest sales office to you.



PRINCIPAL LOCATIONS – Regional Information

North America	World Headquarters 187 Danbury Road Wilton, CT 06897, USA	T 800.295.2392	F 607.754.7517
Latin America	Rodovia Eng. Constâncio Cintra, Km 78,5 Itatiba, SP – 13255-700, Brazil	T +55.11.4534.9650	F +55.11.4534.9660
Europe, Middle East, Africa and India	D-51368 Leverkusen Germany	T 00.800.4321.1000 T +31.164.293.276	F +31.164.241.750
Pacific	Akasaka Park Building - 5-2-20 Akasaka Minato-ku, Tokyo 107-6112 Japan	T +81.3.5544.3100	F +81.3.5544.3101

CUSTOMER SERVICE CENTERS

North America	Charleston, WV 25314, USA E cs-na.silicones@momentive.com		
	<ul style="list-style-type: none"> • Specialty Fluids • UA, Silanes, Resins, and Specialties • RTV Products-Elastomers • Sealants and Adhesives & Construction 	T 800.523.5862 T 800.334.4674 T 800.332.3390 T 877.943.7325	F 304.746.1654 F 304.746.1623 F 304.746.1623 F 304.746.1654
Latin America	E cs-la.silicones@momentive.com		
	<ul style="list-style-type: none"> • Argentina & Chile • Brazil • Mexico & Central America • Venezuela, Ecuador, Peru, Colombia, & Caribbean 	T +54.11.4862.9544 T +55.11.4534.9650 T +52.55.5899.5135 T +58.212.285.2149	F +54.11.4862.9544 F +55.11.4534.9660 F +52.55.5899.5138 F +58.212.285.2149
Europe, Middle East, Africa and India	E cs-eur.silicones@momentive.com	T 00.800.4321.1000 T +31.164.293.276	F +31.164.241750
Pacific	E cs-ap.silicones@momentive.com		
	<ul style="list-style-type: none"> • Japan • China • Korea • Singapore 	T +81.276.20.6182 T +86.21.5050.4666 (ext. 1523) T +82.2.6201.4600 T +65.6220.7022	

DISCLAIMER: THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC., MOMENTIVE PERFORMANCE MATERIALS USA INC., MOMENTIVE PERFORMANCE MATERIALS ASIA PACIFIC PTE. LTD., MOMENTIVE PERFORMANCE MATERIALS WORLDWIDE INC., MOMENTIVE PERFORMANCE MATERIALS GmbH & Co. KG, MOMENTIVE PERFORMANCE MATERIALS SUISSE Sarl, THEIR SUBSIDIARIES AND AFFILIATES DOING BUSINESS IN LOCAL JURISDICTIONS (collectively "SUPPLIERS"), ARE SOLD BY THE RESPECTIVE LEGAL ENTITY OF THE SUPPLIER SUBJECT TO SUPPLIERS' STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIERS MAKE NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING SUPPLIERS' PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. AFOREMENTIONED EXCLUSIONS OR LIMITATION OF LIABILITY ARE NOT APPLICABLE TO THE EXTENT THAT THE END-USE CONDITIONS AND/OR INCORPORATION CONDITIONS CORRESPOND TO THE RECOMMENDED CONDITIONS OF USE AND/OR OF INCORPORATION AS DESCRIBED BY SUPPLIER IN ITS PRODUCT DATA SHEET AND/OR PRODUCT SPECIFICATIONS. EXCEPT AS PROVIDED IN SUPPLIERS' STANDARD CONDITIONS OF SALE, SUPPLIERS AND THEIR REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN. Each user bears full responsibility for making its own determination as to the suitability of Suppliers' materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Suppliers' products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Suppliers' Standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Suppliers. No statement contained herein concerning a possible or suggested use of any material, product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Suppliers or any of its subsidiaries or affiliates covering such use or design, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.