

AS172U

Product Description

AS172U is a 55 durometer elastomer and an excellent candidate to consider for providing extended low temperature service. Typical applications include gaskets, seals and o-rings that require low temperature performance.

Key Features and Typical Benefits

- compounding simplicity
- excellent processing and handling
- low specific gravity
- compatible with various catalysts
- listed on BMS1-75 QPL

Typical Physical Properties

Property	Value
Polymer Classification	VMQ
Color	White
Specific Gravity	1.07 ± 0.03
Press cure 10 minutes @ 177°C (350°F) Catalyst: Varox Masterbatch (33% active)	
Original Physicals	
Shore A	56
Tensile [psi]	1080
Elongation [%]	500
Tear B [ppi]	160

Compression Set [70 hours @ 100°C (212°F)] [%]	10
Catalyst Level	1.2
Press cure 10 minutes @ 121°C (250°F) Post Cure 2 hrs @ 200°C (392°F) Catalyst: 2,4-Dichlorobenzoyl Peroxide (50% active paste)	
Original Physicals	
Shore A	53
Tensile [psi]	1095
Elongation [%]	480
Tear B [ppi]	155
Compression Set [22 hours @ 150°C (302°F)] [%]	16
Catalyst Level	1.0

This chart contains typical property values and actual values or results that may vary.

General Instructions for Use

The optimum cure cycle will depend on the method of processing used and the physical dimensions of the vulcanized product. Some specific applications may require the use of air oven post cures.

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.

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