

# All Seals' H4 Compliant Compounds



The John Deere® H4 (JDM H4) material specification is one of the rubber sealing industry's most popular material requirements. The specification was developed and is maintained by Deere & Company.

At its core, H4 delineates specific requirements for rubber compounds used to produce O-Rings in various materials. Depending on the material, it addresses conditions and fluids common to the agricultural industry. For example, it includes requirements for exposure to IRM Reference Oils 901 and 903, antifreeze/water mixtures, fuel, and brake fluid. It also incorporates high and low temperature evaluation using H4-specific test methods. JDM H4 requires rigorous evaluation on O-Rings, whose additional requirements include 1000 hour compression set testing of O-Rings with various cross-sections, as well as air conditioning refrigerant/lubricating oil resistance.

All Seals' H4 compliant compounds are fully tested against all elements of the JDM H4 specification, however they have not been independently certified by Deere & Company. For more information, please call our sales department at 800.553.5054.

## H4 COMPLIANT COMPOUNDS

John Deere Designation	ASTM Type/Class	Description	All Seals Compound #
JDM H4A	BG	70 durometer nitrile	N-7011
JDM H4B	BG	90 durometer nitrile	N-9037
JDM H4C	CH	75 durometer nitrile, peroxide cured	N-7504
JDM H4D	CH	90 durometer nitrile, peroxide cured	N-9022
JDM H4F	CH	75 durometer HNBR, also meets H4C	N-7505
JDM H4G	CH	90 durometer HNBR, also meets H4D	N-9039
JDM H4J	GE	under development	TBD
JDM H4N	BA	under development	TBD
JDM H4P	HK	75 durometer Viton®	F-7029
JDM H4R	HK	90 durometer Viton®	F-9010

# Why Industry Leaders Rely on All Seals

## THE HIGHEST STANDARDS

There's no room for compromise when it comes to demanding, high-end industry-approved materials. All Seals meets and exceeds industry standards, and we hold ourselves to the highest demands.

## A TRUSTED LEADER IN INDUSTRY AND AGRICULTURE

For decades All Seals has been an industry forerunner in the industrial and agricultural marketplace, serving the needs of equipment manufacturers where O-Rings, seals, and custom rubber products are crucial.

## WE'VE GOT WHAT YOU NEED

We supply and stock the widest selection of seals from partner manufacturers around the world. Our vendors are renowned for their engineering and quality programs, and we have excellent, long-term relationships with them. Even in periods of short supply, we can deliver. We can customize any seal precisely to your specifications.

## EXTENSIVE VALUE ADDED SERVICES

We provide JIT/Kanban programs, pre-production and kitting, special marking and packaging options, and much more.

## FRIENDLY CUSTOMER SERVICE AND EXPERT ON-PREMISES SUPPORT

You're in the best circles with our customer service team. If you need expertise in any area, we've got it, including materials, design, prototyping, testing and more.



### CALIFORNIA

20762 Linear Lane  
Lake Forest, CA 92630  
800.553.5054 TOLL FREE  
714.556.4931 PHONE  
714.557.3257 FAX

### TEXAS

4407 Halik Road, Building A  
Pearland, TX 77581  
800.553.5054 TOLL FREE  
281.404.4384 PHONE  
281.715.5379 FAX

### CONTACT

[sales@allsealsinc.com](mailto:sales@allsealsinc.com)

[www.allsealsinc.com](http://www.allsealsinc.com)

© 2015, All Seals, Inc.. Rev 7.15

**LIMITED WARRANTY** All Seals, Inc. ("Seller") warrants that its products ("Goods") will perform in accordance with their specifications; that the goods will be free from manufacturing defects for a period of twelve (12) months from the date of delivery of the goods to Buyer; and that the goods will be as specified by Buyer in the purchase order. Seller should have the right to elect to either refund the purchase price for any defective goods or replace any defective goods, provided that the goods were used in the manner for which they were manufactured. Seller does not warrant that the goods are fit for any particular purpose. Seller should have no obligation to refund the purchase price or replace goods that are rendered defective by a Buyer or a third party after they leave Seller's place of shipment.

**LIMITED LIABILITY** Seller's liability for its goods is limited to their terms set forth in Seller's express warranty set for above, in no event shall Seller's liability exceed the total purchase order price. Seller is not assuming any liability for any indirect, collateral, special, incidental or consequential losses or damages suffered by Buyer, or by any end-user or other third party, including but not limited to, lost profits, loss of business reputation and/or lost business opportunity, for any possible cause of action or claim arising out of or related to the goods sold to Buyer, even if Seller has been advised of the possibility of such loss or damage.