

HEXTITE™ WS

A MATERIAL DIFFERENCE
FOR AUTOMOTIVE
WEATHERSTRIP APPLICATIONS

 HEXPOL®



HEXTITE WS IS A PREMIUM RUBBER COMPOUND OFFERING EXCELLENT SEALING FOR THE AUTOMOTIVE WEATHERSTRIP MARKET.

HEXTITE™ WS Premium Offerings



Customer Process

- Compression molding
- Extrusion
- Injection molding
- Transfer molding



WS Electrical Properties

- Conductive
- Non-conductive
- Reduced conductivity



Additional Features

- Compression set resistance
- Low fogging
- Low odor
- Low temperature flexibility
- Migration and contact staining resistance
- Ozone resistance



Material Forms

- Pellets
- Strips



Compound Types

- Dense
- Microdense



HEXTITE Offerings

Designed to meet various OEM standards

SAE J200M2AA

60 Duro Dense

70 Duro Dense

80 Duro Dense

90 Duro Dense

60 Duro Microdense

70 Duro Microdense





HEXTITE™ WS Protection from the Elements

HEXTITE WS is a premium rubber compound offering excellent sealing for the automotive weatherstrip market. HEXPOL's rigorous processes result in rubber compounds that meet customer standards. Our Manufacturing Execution System ensures consistent quality from batch to batch, order to order.

OUR MIXING FACILITIES BOAST:

- Advanced barcode scanning technology
- Comprehensive raw material traceability by lot
- Fully automated process system certified to ISO 9001:2015 & 14001:2015
- Six Sigma techniques to ensure process capabilities result in compound consistency
- A2LA Accredited for your testing (ISO 17025:2017)



HEXPOL Compounding Americas Offers:

- A broad geographic presence with 10 plants in the United States & 3 plants in Mexico
- Access to global suppliers and best of the best raw materials
- In-field technical support
- Operational excellence with ISO certification
- Speed and efficiency of a local supplier

Leading to Proven Customer Advantages, Including:

- Continuous improvement support
- Efficiency gains through economies of scale
- Higher production yields
- Improved material consistency
- Improved speed to market
- Lower scrap rates
- Reduced total cost of acquisition
- Tailored solutions
- Value Analysis/Value Engineering (VA/VE) opportunities

WORKING WITH HEXPOL IS A PARTNERSHIP IN LABOR, EQUIPMENT EFFICIENCIES, SUPPLY CONSISTENCY, SUSTAINABILITY, AND MORE!

STANDARD	NAME	GR60	SPEC	GR70	SPEC	GR	SPEC	GR90	SPEC
ASTM D2240-15 (2021)	Hardness (Shore A)	62	60 +/-5	72	70 +/-5	82	80 +/-5	89	90 +/-5
ASTM D412-16 (2021)	Tensile (MPa) Elongation (%)	9.4 711%	7 (min) 300% (min)	9.1 380%	7 (min) 200% (min)	8.3 345%	7 (min) 100% (min)	8.1 282%	7 (min) 100% (min)
ASTM D573-04 (2025) Heat Age 70 Hrs @ 70° C	Tensile Change (%) Elongation Change (%) Hardness Change (pts)	7% -10% 4	+/- 30% -50% (max) +/-15	9% -14% 4	+/-30% -50% (max) +/-15	4% -8% 2	+/-30% -50% (max) +/-15	2% -24% 1	+/-30% -50% (max) +/-15
ASTM D395-18 (2025) Comp Set 22 Hrs @ 70° C	Compression Set (%)	17%	50% (max)	16%	50% (max)	13%	50% (max)	12%	50% (max)
ASTM D1171-18 (2025) Method A Ozone Triangle 70 Hrs @ 40° C 50 mPa Ozone	Ozone Resistance		Pass		Pass		Pass		Pass
ASTM D2137-11 (2018) Method A Brittleness 3 Minutes @ -40° C	Brittleness		Pass		Pass		Pass		Pass

STANDARD	NAME	GR60	SPEC	GR70	SPEC
ASTM D2240-15 (2021)	Hardness (Shore A)	60	60 +/-5	72	70 +/-5
ASTM D412-16 (2021)	Tensile (MPa) Elongation (%)	8.9 348%	7 (min) 300% (min)	9.3 320%	7 (min) 200% (min)
ASTM D573-04 (2025) Heat Age 70 Hrs @ 70° C	Tensile Change (%) Elongation Change (%) Hardness Change (pts)	-5% -8% 2	+/- 30% -50% (max) +/-15	-4% -10% 2	+/-30% -50% (max) +/-15
ASTM D395-18 (2025) Comp Set 22 Hrs @ 70° C	Compression Set (%)	22%	50% (max)	20%	50% (max)
ASTM D1171-18 (2025) Method A Ozone Triangle 70 Hrs @ 40° C 50 mPa Ozone	Ozone Resistance		Pass		Pass
ASTM D2137-11 (2018) Method A Brittleness 3 Minutes @ -40° C	Brittleness		Pass		Pass
ASTM D297-21	Density	1.02	1.05 +/-0.05	1.07	1.05 +/-0.05



HEXTITE™ WS

Our scientists and application engineers lead the way in polymer research and development. Our goal is to engineer intelligent, customized solutions that precisely match application requirements. Our technical team partners with the customer, giving in-the-field support and the expertise to create materials that transform ideas into superior products.

Our portfolio includes a comprehensive customizable range of Dense and Microdense options. This brings an extensive list of properties and customization possibilities providing weatherstrip manufacturers the flexibility to select the best solution for their application.

**For more information,
visit our website
or contact
Bruce Wynd
423.202.5485**



[HEXPOL.COM/RUBBER](https://www.hexpol.com/rubber)

We provide written and illustrated advice in good faith. This should be regarded as being advisory and does not absolve customers from doing their own full-scale tests to determine the suitability of the material for the intended applications. You assume all risk and liability arising from your use of the information. We retain the right to make changes without prior notice. HEXPOL and HEXTITE are trademarks of the HEXPOL Group of companies, registered or used in many jurisdictions worldwide.