

MASTICORD

STRUCTURAL BEARING PAD

The reliable, economical and engineered random oriented fiber (ROF) bearing pad from **JVI!**

Benefits

- High Quality
- Complete Design Guide
- Cost Effective
- Significant Rotational Capacity
- Capable of Allowing for Horizontal Movement
- High Allowable Compressive Stress Based on Test Data

MASTICORD, can be provided with a bonded DYNALON (PTFE) surface for use in expansion bearing.

MASTICORD, is available in the following stock thicknesses: 1/4", 3/8", 1/2", 3/4", 1". Additional thicknesses available upon request.



Properties	ASTM Test Method		
Hardness (Shore A)	ASTM D 2240	75	(± 5)
Tensile Strength	ASTM D 412	1,000 PSI	Min.
Elongation	ASTM D 412	40%	Min.
Heat Aging			
Change in Hardness	ASTM D 573	± 10 points	Max.
Change in Tensile Strength		± 25%	Max.
Change in Elongation		± 25%	Max.
Tear Strength	ASTM D 624	400 lb/in	Min.
Compression			
Minimum Ultimate	ASTM D 575	8,000 PSI	
Initial minimum cracking strain		40%	
Volume Change (IRM 903 Oil Swell)	ASTM D 471	120%	
Ozone Resistance	ASTM D 518 50 hrs @ 100° F ozone concentration of 80 pphm - tear strength	300 lb/in	Min.
Shear Modulus (G)	ASTM D 5992 @ 70° F under a uniform compressive stress of 1,000 PSI, an applied shear strain of 50%, and with both bearing surfaces contacting smooth concrete. The shear modulus is constant in all directions parallel to the bearing plane.	170 PSI	(± 50 PSI)



Your Connection Connection



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847/675-1560 • Fax 847/675-0083 • 1-800-742-8127 • <http://www.jvi-inc.com>



Safety Data Sheet-MASTICORD

Section 1: Identification

Product Names:	Masticord (ROF) Bearing Pads
Chemical Name/Synonym:	Cured and Uncured ,Natural / Synthetic Rubber
Chemical Family:	Polymeric Rubber
Emergency Phone:	847-675-1560
Distributor Name:	JVI, Inc.
Distributor Address:	7131 North Ridgeway Ave, Lincolnwood, IL, 60712
Distributor Phone:	847-675-1560

Section 2: Hazards Identification

This material contains carbon black, zinc oxide, Sulphur, rubber processing oils, and other chemicals which are encapsulated in the rubber crumb. The rubber crumb is then encapsulated in the polyolefin. It is not expected that workers handling the pellets would be exposed to any airborne hazard from the material. Molding operations are not expected to emit any significant levels of hazardous airborne contaminants. At high molding temperatures, the more volatile oily constituents of the rubber crumb might release as an oily fume. The low molecular weight of the polyolefins can also produce a polymer fume at high temperature. At molding temperatures polyolefins and other organic compounds can decompose to form carbon monoxide, carbon dioxide, aldehydes, and other unidentified compounds. Adequate room and press ventilation should be provided to minimize exposure. Avoid contact with strong oxidizing agents.

Section 3: Composition/Information on ingredients

Hazardous Ingredients	C A S #	%	ACGIH: TLV
Rubber Process Oils	64742-04-7, 64742-11-6	>1.0	5 mg/cubic meter
Carbon Black	1333-86-4	>1.0	3.5 mg/cubic meter
Zinc Oxide	1314-13-2	>1.0	10 mg/ cubic meter

Section 4: First Aid Measures

Fire would be the only time First Aid Measures would be in effect.

Eye Contact: From Smoke

Go to Eye Wash Station and rinse cold water for 5 minutes

Inhalation: From Smoke

Remove subject to ventilated area, if persistent coughing results get medical attention.

Chronic Effects: Not Tested

Section 5: Fire-Fighting Measures

Flash Point	NA
Flammable Limits	NA
Extinguishing Media	Water spray, protein type air foam, ABC dry chemical
Special Fire Fighting Procedures	Wear self-contained breathing apparatus
Unusual Fire & Explosion Hazards	None



Section 6: Accidental Release Measures

This section is not applicable

Section 7: Handling & Storage

Normal storage in cool, dry location, sprinkler protection advisable. Keep excessive heat, sparks and open flame away from material.

Section 8: Exposure Controls/Personal Protection

Ventilation:	Store and use in well ventilated areas.
Respiratory Protection:	None Recommended
Eye Protection	None Recommended
Skin Protection	Cloth Gloves Recommended
Other:	None
Work/Hygienic Practices:	This material may contain aromatic/naphthenic oil. Prolonged contact with this oil caused skin cancer in laboratory animals. Practice good personal hygiene.

Section 9: Physical And Chemical Properties

Boiling Point:	NA	Specific Gravity (H ₂ O=1):	1.15
Vapor Pressure:	NA	% Volatile (By Volume):	NA
Vapor Density:	NA	Evaporation Rate:	NA
Solubility in Water:	Insoluble	Appearance & Odor:	Black Rubber Solid Characteristic odor

Section 10: Stability and Reactivity

Stability:	Stable under normal conditions
Incompatibility	None under normal conditions
Hazardous Decomposition Products	Containment in rubber binder greatly reduces risk of contact with hazardous materials.
Hazardous Polymerization	Will Not Occur
Hazardous Polymerization to Avoid	None Known

Section 11: Toxicological Information

Primary Route of Exposure:	Inhale, ingest, skin, eye
Threshold Limit Value	N/A.
Effect of Over Exposure:	Containment in rubber binder greatly reduces risk of contact with hazardous materials
Carcinogenicity:	The International Agency for Cancer Research (IARC) has determined that there is sufficient evidence that solvent extracts of carbon are carcinogenic to experimental animals, but inadequate evidence of its carcinogenicity for humans.

Section 12: Ecological Data

This material does not pose any ecological effects under normal conditions.

Section 13: Disposal Considerations

This material should be recycle where possible

Section 14: Transport Information

This material conforms to all regulations regarding transportation and is not a controlled substance.



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Section 15: Regulatory information

All Safety, Health and Environmental Regulations are strictly enforced

Section 16: Other information

Latest Revision:	05.05.2016
Changes Since Previous SDS:	Changed format from MSDS to SDS
Telephone Number for Additional Information	847-675-1560

Disclaimer

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information, is accurate, complete or representative. JVI, Inc assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons, if reasonable safety procedures are not followed. Additionally, JVI, Inc assumes no responsibility for injury to buyer, the buyer's employees, or any third persons caused by abnormal use of this material, even if reasonable safety procedures are followed.