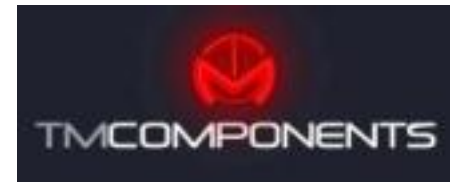


Dredging with profit



New UHMWPE Pipes Hit the Market

T-M Components launch new JuMore® UHMWPE pipes on the market for demanding mining and dredging applications.

JuMore® Reduce Downtime and Increase Throughput for Abrasive Slurries handling

June, 2012

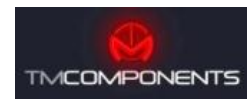
T-M Components launch a new Ultra-High Molecular Weight Polyethylene (UHMWPE) pipe (trademarked as JuMore®) on the market for demanding mining and dredging applications.

T-M Components specializes in providing wear-resistant UHMWPE pipe to the mining and dredging industries. JuMore® is Ultra wear resistant, has Ultra low friction, is Ultra smooth, is Ultra tough because of its Ultra high molecular weight. T-M Components offers a large range of ultra wear and abrasion resistant UHMWPE pipes for applications such as dredging pipe, slurry pipes for hydrotransport, mineral sands pipelines, mine tailings pipelines, mine concentrate pipeline and waste water and pipelines, conveyance iron ore slurry, – coal / cement slurry and slurry transportation in mines.

JuMore® UHMWPE has the following impressive statistics: up to 40 times the abrasion resistance of steel while being 8 times lighter than steel and having 5 times lower coefficient of friction than steel and offering as low as 1/10 the pressure loss of steel pipes. JuMore® UHMWPE pipes are ideal for the transport of powder and coal ash in thermal power systems, backwater pipelines, the transport of mine tailings and slurry in the mining industry, the high-pressure transport of pulverized coal and coal-water slurry of coal preparation plant in the coal industry, as well as the transport of mud and corrosive media with slag in other industries.

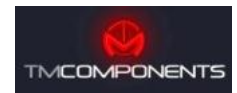
UHMWPE material is 1/8 the weight of mild steel but is high in tensile strength. Also unlike steel, UHMWPE is an inexpensive alternative to metals and ceramics, and because it is self-lubricating, long-wearing, and resistant to abrasion, and corrosion. JuMore® UHMWPE is well suited for pipe applications that demand high abrasion resistance combined with low friction.

Ultra High Molecular Weight PE is a material with many years very good results in the paper-, conveying-, machining constructions and fishing industry.



What do you want?

- Better lifetime pipes?
- Better pressure over longer distance?
- Easier logistics by low weight pipes?
- Better results by your operation?
- Better returns on your investments?
- Better results by your Firm?
- More revenue at the end of the day ?
- If so: Choose JuMore[®]!



What can T-M Components offer?

- A range of diameters – up to Ø 1200 mm
- A large range of pressure capabilities
- A large range in floats
- Short delivery times
- The best quality on earth.
- Ask us for quotation –
the first step in becoming a winner!



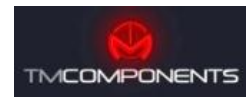
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Product Description

- 1.very high abrasion resistance
- 2.very high impact strength
- 3.very low coefficient friction.
- 4.good self-lubricant properties
- 5.excellent chemical resistance
- 6.good resistance under low temperature.
- 7.excellent dielectric properties



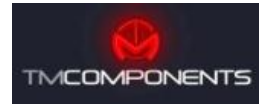
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The characteristics of UHMWPE pipes:

1. Anti-abrasion: The volume lost is 1/7 of steel pipe under same working condition.
2. Anti high-pressure: The working pressure is between 0.2Mpa to 4.0Mpa, wide applications.
3. Anti-corrosion: Higher structure stability, corrosion resistant to various chemical mediators, No electrochemical corrosion, no need anticorrosive coating.
4. Self lubrication: The abrasion coefficient is the smallest among all pipe materials. The pressure lost is 1/10 of steel pipes, 1/7 of nylon pipes under the same working conditions.
5. Non-fouling: The internal wall is smooth, to prevent mediations from fouling the wall there is no negative influence on product efficiency.
6. Light weight: The density is the 1/8 compared to steel. It is easy to convey and install, it lowers total construction cost and renders higher economical benefits.
7. Easy connection: The pipes are connected by flanges or loops, easy to be installed, no dangers of water- and air leakage,
8. Anti-aging: There is ANTI-UV material in the pipes, so it could work for 50 years in burning sunlight.
9. Health & safety: The pipe is nontoxic. No bacteria proliferation. No pollution to the environment. Recyclable.
10. Temperature resistance: The pipe can be used between -70°C up to $+85^{\circ}\text{C}$, without deformation.
11. Working life is 7 times longer compared to steel pipes under same working conditions.



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