



DERSHENG®

**Vulko®
Tough**

Dersheng's VulkoTough wheel is based on world renowned Covestro's Desmodur Polyurethane technology. VulkoTough wheel has outstanding performance for dynamic load, which makes it the first choice for industrial wheels / rollers for heavy duty applications. In addition, it has excellent recovery from long periods of heavy loading, and great thermal stability even at high temperatures.

Superior tear resistance

VulkoTough features excellent tear-growth resistance. The material will not tear on and compromise function even when the tread is damaged.

Superior abrasion resistance

VulkoTough has an extremely high abrasion resistance to wear, ensuring a long service life. Operating under similar conditions, it's up to ten times the service life of rubber-tire wheels.

Superior rebound resilience

VulkoTough has highest modulus of elasticity of all elastomer. It's 2,5 times more resilient than solid elastic tyres.

Good resistance to chemical, hydrocarbon, oils, and solvents

VulkoTough offers good chemical resistance to mineral oils, greases and different solvents.

Superior dynamic load capacity

VulkoTough is characterized by outstanding mechanical load bearing properties and dynamic load capacity. It can carry up to three times the load capacities of comparable rubber wheels. And it is particularly suited for driving and moving loads of up to 10 tons and more.

Low permanent deformation

No or very little permanent deformation of the VulkoTough under heavy loading, even for longer periods.

Wet conditions capability

A special grade of VulkoTough, called VulkoTough-Wet, can perform well in wet and tropical conditions.

Low rolling resistance

VulkoTough features low rolling resistance, providing cushion ride to minimize noises and good floor protection.

Temperature

The working temperature is set between -40°C and +80°C. And the performance will be reduced significantly at temp over 80°C.

Suitable application

VulkoTough is employed throughout the industrial sector where high load cap is required for the wheel. Recommend for: heavy duty machines, railroad and the transportation infrastructure construction, automotive industry, aviation ground transportation, pallet and forklift industry, glass industry, wheels and casters, pump components, flip-top screens and hydraulic cyclone separators, roller coaster, tunneling shield, soda filling industry, mining Industry.

With excellent mechanical wear and tear resistance, good impact resilience, low compression set, and working temperature range from -40°C to +80°C, VulkoTough can be used in a wide range of industry, and due to characteristics mentioned above, it can significantly prolong service life and minimize downtime, achieving cost saving and more output for equipment carried.



www.dersheng.com.tw
info@dersheng.com.tw