Heavy Duty Polyurethane-Driven Wheel

Title	Heavy Duty Polyurethane-Driven Wheel
Thumb	
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Description

Polyurethane driven wheel refers to the wheel that plays the following role and transmits [illegible] movement. key role in deceleration, load balancing, and adjusting the trajectory of

Benefits of Polyurethane Driven Wheel

1. Strong wear resistance: Idler wheels with bearings can maintain good shape [illegible] maintenance costs, shortening downtime, and thus improving production efficiency.

2. High load-bearing capacity: Polyurethane driven wheels are important to load [illegible] and improving the stability and durability of the transmission system.

3. Shock absorption and noise reduction: The elastic properties of polyurethane [illegible] components and staff but also avoids noise interference with precision equipment.

4. Corrosion resistance and chemical resistance: Polyurethane has excellent [illegible] and broadening its application range in complex industrial environments.

5. Low friction coefficient: The low friction characteristics of polyurethane make [illegible] which can improve the efficiency of equipment and reduce energy consumption.

6. Strong adaptability: Polyurethane can adjust its hardness according to different [illegible] polyurethane is suitable for precision equipment that requires lower friction.

Performance	Properties	Product parameters					
Hardness	PU hardness at 20℃	Shore	75A	80A	85A	90A	[illegible]
Tensile strength	Tensile strength	MPa	18	26	35	38	
Elongation at break	Elongation at break	%	600	580	550	530	[illegible]
Tear strength	Tear propagation resistance: (without nick)	kN/m	50	60	73	105	[illegible]

Abrasion	Abrasion loss	mm³	45	40	30	30	
Density	Density	g/ cm³	1.14	1.14	1.15	1.16	1
Operating temperature	Working temperature	℃	-60~70℃				
Resilience	Resilience	%	50	55	50	48	
Compression set	Compression set (deflection/2 2h/70℃)	%	25	23	22	20	
Poisson's ratio	Poisson's ratio	/	0.5	0.48	0.46	0.44	0
Modulus of elasticity	Modulus	MPa	5	20	40	60	
Coefficient of friction/steel	Friction coefficient/steel	/	0.8	0.75	0.6	0.5	0

Polyurethane-Driven Wheels: Applicable Industries

1. Food and pharmaceutical industry: In the transmission system of food and [illegible] production environment.
2. Packaging industry: The transmission system in packaging equipment often [illegible] of the equipment.
3. Electronics and semiconductor industry: In electronic manufacturing and [illegible] antistatic properties can prevent damage to precision electronic components.
4. Automobile manufacturing and assembly lines: Polyurethane-driven wheels are [illegible] precise handling and assembly of automobile parts.

With its unique performance advantages, polyurethane-driven wheels are widely used in [illegible] development. Contact us