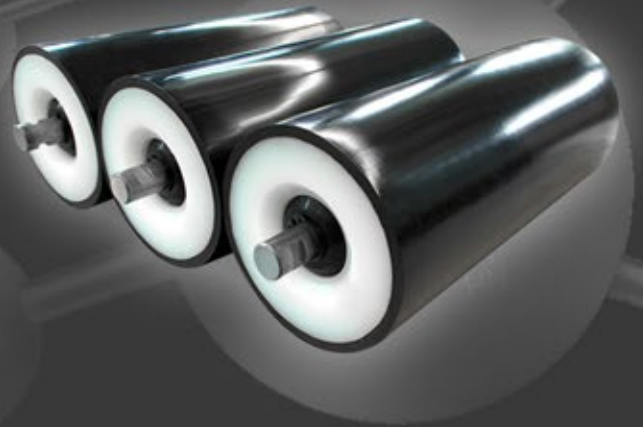


UHMWPE ROLLERS



ADVANTAGES OF UHMWPE ROLLERS



Strong wear resistance: The molecular weight of UHMWPE material reaches more than 3.5 million, making its wear resistance 6 times higher than that of steel, which can effectively reduce wear and prolong service life.



Good self-lubrication: UHMWPE roller surface has good self-lubrication performance, reduce the friction with the belt, so that the roller in the running process to reduce friction resistance, improve energy efficiency.



Strong corrosion resistance: UHMWPE roller has excellent chemical stability, can withstand acid, alkali, salt solution and other chemical substances erosion, suitable for a variety of harsh environment.



Light weight high strength: UHMWPE rollers are light in weight, but high in strength, and can bear large loads to improve the conveying efficiency of rollers.



Low noise: UHMWPE rollers have good shock absorption effect, can effectively reduce the noise in the conveying process, and provide a quieter working environment.



Low temperature resistance: UHMWPE rollers can maintain mechanical properties at temperatures as low as minus 80 ° C, making them the best choice for extremely cold environments.



Easy installation and maintenance: UHMWPE rollers are manufactured with high precision technology, accurate size, light weight, easy installation and low maintenance cost.



Independently developed waterproof and dustproof seal, good sealing effect and longer service life.

Performance comparison table

Radial run-out (mm)	Radial runout index comparison	Roller length		GB/T10595		MY
			<550	0.5		0.2
			≥550~950	0.7		0.3
			≥950~1600	1.3		0.7
			>1600	1.7		1.3
Rotational resistance (N)	Rotation resistance comparison		GB/T10595		MY	
	Dia≤108		2.5N		1.5N	
	Dia>108		3N		2N	
Axial load (KN)	Axial load comparison		GB/T10595		MY	
	Shaft diameter	d≤20	10KN		15KN	
		25≤d≤35	15KN		20KN	
		d≥40	20KN		25KN	
Axial movement (mm)	Axial movement comparison		GB/T10595		MY	
			≤0.7mm		≤0.3mm	
Watering seal (g)	Waterproof comparison		GB/T10595		MY	
			≤150g		≤10g	

Diameter and bearing comparison

	Pipe diameter								
Bearing	89	102	108	114	127	133	152	159	194
6204	✓	✓	✓	✓	✓				
6205	✓	✓	✓	✓	✓	✓	✓		
6306						✓	✓	✓	
6307							✓	✓	
6308							✓	✓	✓
6309									✓
6310									✓

Other specifications can be customized according to customer needs

★ Flame retardant and antistatic rollers can be customized