

Timing Belts Polyurethane PU..HTD, PU..STS (PU..S) ,PU..RPP & PU..D

PU timing belts are suitable for high power and precision motion control, even at high speeds. Our belts perform especially well on light synchronized and stepped drives, in office automation and domestic appliance applications.

Polyester, Kevlar® (Aramid) and steel cord available.

Yellow, grey, red, transparent colors available.

PU Truly Endless timing belts are manufactured by a unique thermoset molding process. The high-grade polyurethane gives excellent abrasion and shear resistance, combined with a variety of graded steel cords, ensuring high strength and tractive resistance. The result is a timing belt with excellent dimensional stability. Ametric® Transmission mounded timing belts are manufactured to a tight tolerance range, which assures consistent length and thickness. The combination of these factors results in Ametric® transmission belts performing to the highest physical and chemical levels.

Features:

- High flexibility;
- Small pulley diameters;
- Dimensional accuracy;
- High speed;
- Energy efficient;
- Low noise and vibration;
- Low maintenance;
- Good chemical and ozone resistance;
- High friction surface.

Pouring polyester polyurethane plastics technology

Item \ unified labeling	A6	A7	A8	A9
Hardness	65 ± 5	75 ± 5	85 ± 5	> 90
strength (KG/cm ²)	> 30	> 50	> 70	> 120
Tensile strength (KG/cm ²)	> 250	> 350	> 400	> 450
Elongation at break(%)	> 500	> 450	> 450	> 450
Permanent deformation(%)	< 15	< 15	x < 15	< 15
Tear strength (KG/cm ²)	> 30	> 45	> 75	> 90
Impact Rebound (%)	> 15	> 15	> 15	> 15
Brittle temperature(°C)	< -50	< -50	< -50	< -50
Wear (Cm ³ /1.6KM)	< 0.05	< 0.05	< 0.05	< 0.05
Aging coefficient(100°CX24Hour)	> 0.9	> 0.9	> 0.9	> 0.9
Water resistance coefficient(70°CX24Hour)	> 0.8	> 0.8	> 0.8	> 0.8
Resistance No. 120 petrol + benzene(15~25°CX24 hours)	< +0.2	< +0.2	< +0.2	< +0.2
Resistance on the 20th oil(700°C X ± 2°C X 24 hours)	< +0.4	< +0.4	< +0.4	< +0.4



American Metric® Corporation

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