
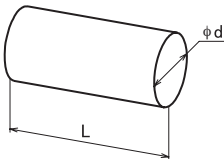


Plastic Rail (Natural) UHMW Polyethylene Round Bar Materials

● Order No. Example EPBAR D90

Plastic Rail Round Bar No.

Plastic Rail Round Bar No.		Outer Diameter d	Length/Unit	Color	Mass kg/m	Application	Delivery	¥
Type	Shape							
EPBAR D10		10	1m	Milky White Color	0.0785	Round Bar For Processing	○	
EPBAR D15		15			0.177			
EPBAR D20		20			0.314			
EPBAR D25		25			0.491			
EPBAR D30		30			0.707			
EPBAR D35		35			0.962			
EPBAR D40		40			1.256			
EPBAR D45		45			1.590			
EPBAR D50		50			1.963			
EPBAR D55		55			2.375			
EPBAR D60		60	2.826					
EPBAR D65		65	3.32					
EPBAR D70		70	3.847					
EPBAR D75		75	4.42					
EPBAR D80		80	5.024					
EPBAR D90		90	6.359					
EPBAR D100		100	7.850					
EPBAR D110		110	9.499					
EPBAR D120		120	11.304					
EPBAR D130		130	13.266					
EPBAR D140	140	15.386						
EPBAR D150	150	17.663						
EPBAR D160	160	20.096						
EPBAR D180	180	25.434						
EPBAR D200	200	31.400						

- ◇ Wear Resistance — Rate of wear is low relative to other synthetic resins, brass, copper, etc. Wear resistance is 7, 4, and 16 times that of steel materials, cast iron, and polyacetal, respectively.
- ◇ Self-lubrication — Extremely small wear coefficient, lower than that for lubricated metals.
- ◇ Impact Resistance — Does not break or chip. Unbroken even when used at ultra-low temperatures.
- ◇ Operating Temperature — -100°C - +80°C Also suitable for low temperature conditions in cold regions, etc.
- ◇ Chemical Resistance — Remains very stable when exposed to acid, alkaline.
- ◇ Absorbency — Absorbency rate is near zero, with no bloating or dimensional changes resulting from absorption.
- ◇ Non-toxicity — Physiologically harmless resin approved pursuant to the Ministry of Health and Welfare Food Sanitation Law.

Qualities	Test Method	Unit	Value
Specific Gravity			0.94
Impact Strength (Izod Notched)	D256	kg/cm/ cm	Does not break
Tensile Impact	D1822	kg/cm/ cm ²	Does not break
Hardness (Shore)		D Scale	64 - 67
Line Expansion Coefficient	+20°C - +100°C Average	10 ⁻⁴ /°C	1.7
Acid Resistance			Good
Alkalinity Resistance			Good
Absorbency		%	<0.01
Frictional Coefficient			0.1 - 0.2
Taber Abrasion CS-17/1,000g		mg/1,000 cycles	1.4



Plastic Rail Round Bar No. and Quantity



○ 3-day shipping
* Single order system available

30kg
Weight limit for single product packaging

1m
Length Limit for Packing Single Items