
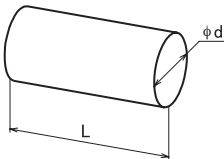


Plastic Rail (Natural) UHMW Polyethylene Round Bar Materials

● 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	1m	Milky White Color	2.826	Round Bar For Processing	○	
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	1m	Milky White Color	15.386	Round Bar For Processing	○	
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

