

# Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

## PIPE FLOATER

# Polyethylene Dredging Floater

Medium Density Polyethylene Floater Feature (MDPE Floater) Corrosion Resistance, Weather Proof, Long Lifetime Good Toughness, Strong Environment stress cracking resistance High Bearing Capacit...

ISO9001 Supplier

Class Certificate

Export Supply



### Key Highlights

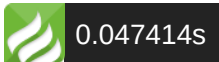
|               |   |
|---------------|---|
| Category      | Pipe Floater  |
| Standard      | DIN   |
| Material      | Polyethylene, Closed-cell hard polyurethane Foam                            |
| Weight / Size | Medium Density Polyethylene Floater Feature (MDPE Floater) Corrosion Res... |
| Certificate   | ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS                                  |

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.



| Technical Specifications |  |                    |  |
|--------------------------|--|--------------------|--|
| <b>Category</b>          | Pipe Floater   | <b>Model / SKU</b> | Polyethylene-Dredging-Floater                    |
| <b>Standard</b>          | DIN  | <b>Material</b>    | Polyethylene, Closed-cell hard polyurethane Foam |
| <b>Weight / Size</b>     | <p>Medium Density Polyethylene Floater Feature (MDPE Floater) Corrosion Resistance, Weather Proof, Long Lifetime Good Toughness, Strong Environment stress cracking resistance High Bearing Capacity, Light Weight, High Resistance to Wear Life time is up to 15 years Main Specification Pipe OD(mm) Pipe ID(mm) Floater OD(mm) Floater Length(mm) Thickless(mm) Net Buoyance(kg) Weight(kg) 159 220 500 800 7 200 16 205 220 500 800 7 200 16 219 220 500 800 7 200 16 273 300 700 1100 7 420 43 300 300 700 1100 7 420 43 325 375 1100 8850 7 850 65 325 375 1100 1100 7 920 72 350 375 1100 1100 7 920 72 400 414 1100 1200 8 1020 76 426 430 1200 1200 8 1200 93 450 480 1300 1300 8 1500 116 500 580 1400 1500 9 2219 170 536 580 1400 1500 9 2219 170 60 630 1400 1700 11 2400 182 630 630 1400 1700 11 2400 182 650 680 1480 1800 11.5 2930 210 700 730 1600 1900 12 3593 230 750 780 1600 2000 13 3700 245 800 830 1800 2000 14 4800 310 850 880 1800 2200 15 5140 380 900 940 2200 2500 16 8180 420 Floater Structure No.</p> | <b>Certificate</b> | ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS       |
| <b>Warranty</b>          | 12 Months unless specified otherwise   | <b>Origin</b>      | China  |

|                 |  |                       |
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|                 | ■ Floater Structure  | ■ Floater Performance |



## Medium Density Polyethylene Floater Feature (MDPE Floater)

- Corrosion Resistance, Weather Proof, Long Lifetime
- Good Toughness, Strong Environment stress cracking resistance
- High Bearing Capacity, Light Weight, High Resistance to Wear
- Life time is up to 15 years

## Main Specification

| Pipe OD(mm) | Pipe ID(mm) | Floater OD(mm) | Floater Length(mm) | Thickless(mm) | Net Buoyance(kg) | Weight(kg) |
|-------------|-------------|----------------|--------------------|---------------|------------------|------------|
| 159         | 220         | 500            | 800                | 7             | 200              | 16         |
| 205         | 220         | 500            | 800                | 7             | 200              | 16         |
| 219         | 220         | 500            | 800                | 7             | 200              | 16         |
| 273         | 300         | 700            | 1100               | 7             | 420              | 43         |
| 300         | 300         | 700            | 1100               | 7             | 420              | 43         |
| 325         | 375         | 1100           | 8850               | 7             | 850              | 65         |
| 325         | 375         | 1100           | 1100               | 7             | 920              | 72         |
| 350         | 375         | 1100           | 1100               | 7             | 920              | 72         |
| 400         | 414         | 1100           | 1200               | 8             | 1020             | 76         |
| 426         | 430         | 1200           | 1200               | 8             | 1200             | 93         |
| 450         | 480         | 1300           | 1300               | 8             | 1500             | 116        |
| 500         | 580         | 1400           | 1500               | 9             | 2219             | 170        |
| 536         | 580         | 1400           | 1500               | 9             | 2219             | 170        |
| 60          | 630         | 1400           | 1700               | 11            | 2400             | 182        |
| 630         | 630         | 1400           | 1700               | 11            | 2400             | 182        |
| 650         | 680         | 1480           | 1800               | 11.5          | 2930             | 210        |
| 700         | 730         | 1600           | 1900               | 12            | 3593             | 230        |
| 750         | 780         | 1600           | 2000               | 13            | 3700             | 245        |
| 800         | 830         | 1800           | 2000               | 14            | 4800             | 310        |
| 850         | 880         | 1800           | 2200               | 15            | 5140             | 380        |
| 900         | 940         | 2200           | 2500               | 16            | 8180             | 420        |

## Floater Structure

| No. | Name                              | Material                           |
|-----|-----------------------------------|------------------------------------|
| 1   | Polyethylene Shell                | Polyethylene                       |
| 2   | Hard Polyurethane Foam Inner Core | Closed-cell Hard Polyurethane Foam |



|   |                  |       |
|---|------------------|-------|
| 3 | Connection Bolat | Steel |
|---|------------------|-------|

## Floater Performance

| Item   | Shell Technical Index             | Item                 | Inside Technical Index  |
|--|-----------------------------------|----------------------|-------------------------|
| Tensile Strength   | $\geq 13.1$ Mpa                   | Water Absorption     | 1-2g/100cm <sup>2</sup> |
| Break Elingation   | $\geq 11.1\%$                     | Breaking Strength    | 0.08-0.1Mpa             |
| Impact Strength  | $\geq 32.4$ KJ/m <sup>2</sup>     | Breaking Elingation  | 0.1-0.24Mpa             |
| Bending Strength   | $\geq 15.7$ Mpa                   | Compressive Strength | 10                      |
| Weather Resisatnce<br>Floater allowable $\geq 3.5$ GJ/m <sup>2</sup><br>after aging engery | Breaking Elongation % $\geq$      |                      | 10                      |
|  | Oxidative Induction Time 200°C mm |                      | 10                      |