

## Carboxy PP Particles

### Description

聚丙烯简称 PP，是丙烯单体通过加聚反应形成的聚合物。聚丙烯是一种性能优良的热塑性合成树脂，为无色半透明的热塑性轻质通用塑料，具有耐化学性、耐热性、电绝缘性、高强度机械性能和良好的高耐磨加工性能等。

百欧泰生物可以提供不同粒径大小的高质量 PP 微球（0.05  $\mu\text{m}$  - 100  $\mu\text{m}$ ），还可提供不同表面修饰的 PP 微球，如羧基 PP 微球和氨基 PP 微球等。微球产品粒径均一，吸附能力强，力学性能表现优异，表面活性强，制作工艺成熟，产品各批次间重复性高，易于表面改性和修饰。可满足各类客户的定制化、个性化需求。

### Product Information

|      |                                                       |
|------|-------------------------------------------------------|
| 类型   | Carboxy PP Particles                                  |
| 直径   | 0.05 $\mu\text{m}$ - 100 $\mu\text{m}$                |
| 表面修饰 | Carboxy                                               |
| 浓度   | 25 mg/ml                                              |
| 缓冲溶液 | Supplied in DI Water.                                 |
| 规格   | 10 ml                                                 |
| 保存温度 | Stored at 2 - 8°C. Do not freeze. Protect from light. |
| 保质期  | 12 months                                             |

| Diameter<br>(um) | Particle<br>Volume (nm3) | Volume<br>(ml) | Wt.<br>Conc.(mg/ml) | Particle<br>Mass (g) | NPS/mg   | NPS//ml  | Conc.<br>(nmol/ml) |
|------------------|--------------------------|----------------|---------------------|----------------------|----------|----------|--------------------|
| 0.05             | 6.54E+04                 | 10             | 25                  | 6.74E-17             | 1.48E+13 | 3.71E+14 | 6.16E-01           |
| 0.1              | 5.24E+05                 | 10             | 25                  | 5.39E-16             | 1.85E+12 | 4.64E+13 | 7.70E-02           |
| 0.2              | 4.19E+06                 | 10             | 25                  | 4.31E-15             | 2.32E+11 | 5.79E+12 | 9.62E-03           |
| 0.3              | 1.41E+07                 | 10             | 25                  | 1.46E-14             | 6.87E+10 | 1.72E+12 | 2.85E-03           |
| 0.4              | 3.35E+07                 | 10             | 25                  | 3.45E-14             | 2.90E+10 | 7.24E+11 | 1.20E-03           |
| 0.5              | 6.54E+07                 | 10             | 25                  | 6.74E-14             | 1.48E+10 | 3.71E+11 | 6.16E-04           |
| 0.6              | 1.13E+08                 | 10             | 25                  | 1.16E-13             | 8.58E+09 | 2.15E+11 | 3.56E-04           |
| 0.7              | 1.80E+08                 | 10             | 25                  | 1.85E-13             | 5.41E+09 | 1.35E+11 | 2.24E-04           |
| 0.8              | 2.68E+08                 | 10             | 25                  | 2.76E-13             | 3.62E+09 | 9.05E+10 | 1.50E-04           |
| 0.9              | 3.82E+08                 | 10             | 25                  | 3.93E-13             | 2.54E+09 | 6.36E+10 | 1.06E-04           |
| 1                | 5.24E+08                 | 10             | 25                  | 5.39E-13             | 1.85E+09 | 4.64E+10 | 7.70E-05           |
| 2                | 4.19E+09                 | 10             | 25                  | 4.31E-12             | 2.32E+08 | 5.79E+09 | 9.62E-06           |
| 3                | 1.41E+10                 | 10             | 25                  | 1.46E-11             | 6.87E+07 | 1.72E+09 | 2.85E-06           |
| 4                | 3.35E+10                 | 10             | 25                  | 3.45E-11             | 2.90E+07 | 7.24E+08 | 1.20E-06           |
| 5                | 6.54E+10                 | 10             | 25                  | 6.74E-11             | 1.48E+07 | 3.71E+08 | 6.16E-07           |
| 6                | 1.13E+11                 | 10             | 25                  | 1.16E-10             | 8.58E+06 | 2.15E+08 | 3.56E-07           |
| 7                | 1.80E+11                 | 10             | 25                  | 1.85E-10             | 5.41E+06 | 1.35E+08 | 2.24E-07           |
| 8                | 2.68E+11                 | 10             | 25                  | 2.76E-10             | 3.62E+06 | 9.05E+07 | 1.50E-07           |
| 9                | 3.82E+11                 | 10             | 25                  | 3.93E-10             | 2.54E+06 | 6.36E+07 | 1.06E-07           |
| 10               | 5.24E+11                 | 10             | 25                  | 5.39E-10             | 1.85E+06 | 4.64E+07 | 7.70E-08           |
| 11               | 6.97E+11                 | 10             | 25                  | 7.18E-10             | 1.39E+06 | 3.48E+07 | 5.78E-08           |
| 12               | 9.05E+11                 | 10             | 25                  | 9.32E-10             | 1.07E+06 | 2.68E+07 | 4.45E-08           |
| 13               | 1.15E+12                 | 10             | 25                  | 1.18E-09             | 8.44E+05 | 2.11E+07 | 3.50E-08           |
| 14               | 1.44E+12                 | 10             | 25                  | 1.48E-09             | 6.76E+05 | 1.69E+07 | 2.81E-08           |
| 15               | 1.77E+12                 | 10             | 25                  | 1.82E-09             | 5.49E+05 | 1.37E+07 | 2.28E-08           |
| 17               | 2.57E+12                 | 10             | 25                  | 2.65E-09             | 3.77E+05 | 9.44E+06 | 1.57E-08           |
| 18               | 3.05E+12                 | 10             | 25                  | 3.15E-09             | 3.18E+05 | 7.95E+06 | 1.32E-08           |
| 20               | 4.19E+12                 | 10             | 25                  | 4.31E-09             | 2.32E+05 | 5.79E+06 | 9.62E-09           |
| 22               | 5.58E+12                 | 10             | 25                  | 5.74E-09             | 1.74E+05 | 4.35E+06 | 7.23E-09           |
| 23               | 6.37E+12                 | 10             | 25                  | 6.56E-09             | 1.52E+05 | 3.81E+06 | 6.33E-09           |
| 24               | 7.24E+12                 | 10             | 25                  | 7.46E-09             | 1.34E+05 | 3.35E+06 | 5.57E-09           |
| 25               | 8.18E+12                 | 10             | 25                  | 8.43E-09             | 1.19E+05 | 2.97E+06 | 4.93E-09           |
| 30               | 1.41E+13                 | 10             | 25                  | 1.46E-08             | 6.87E+04 | 1.72E+06 | 2.85E-09           |
| 40               | 3.35E+13                 | 10             | 25                  | 3.45E-08             | 2.90E+04 | 7.24E+05 | 1.20E-09           |
| 50               | 6.54E+13                 | 10             | 25                  | 6.74E-08             | 1.48E+04 | 3.71E+05 | 6.16E-10           |
| 60               | 1.13E+14                 | 10             | 25                  | 1.16E-07             | 8.58E+03 | 2.15E+05 | 3.56E-10           |

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|     |          |    |    |          |          |          |          |
|-----|----------|----|----|----------|----------|----------|----------|
| 70  | 1.80E+14 | 10 | 25 | 1.85E-07 | 5.41E+03 | 1.35E+05 | 2.24E-10 |
| 80  | 2.68E+14 | 10 | 25 | 2.76E-07 | 3.62E+03 | 9.05E+04 | 1.50E-10 |
| 90  | 3.82E+14 | 10 | 25 | 3.93E-07 | 2.54E+03 | 6.36E+04 | 1.06E-10 |
| 100 | 5.24E+14 | 10 | 25 | 5.39E-07 | 1.85E+03 | 4.64E+04 | 7.70E-11 |

## Applications

药物载体

生物医学成像剂

药物缓释

生物材料

纳米载体

## Storage

Store product away from direct sunlight at 2-8° C.

Do NOT freeze.

When stored as specified the product is stable for at least twelve months.

## Contact Us

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