

HAIFLON® PFA Aqueous Dispersion AD-100 / AD-200

CAS No.: 71767-39-0

Haiflon® PFA aqueous dispersions are 50%-solids water-based dispersions, highly compatible with conventional PTFE dispersions and lower in viscosity than PTFE emulsions. With good thermoplastic processability and excellent adhesion, they significantly improve the non-stick performance of coatings, and are very suitable for stir-coating (dipping) processes.

Product Features

- 50% solids aqueous PFA dispersion, free of PFOA
- Good gloss and transparency of the final coating
- Excellent metal adhesion and mechanical stability
- Highly compatible with conventional PTFE dispersions
- Suitable for stir-coating (dipping) processes

Typical Technical Data

Item	AD-100	AD-200
Appearance	Milky white or pale-yellow liquid	Milky white or pale-yellow liquid
Solids content, % wt	50 ± 2	50 ± 2
pH value	9.5 – 10.5	9.5 – 10.5
Average particle size, nm	60 – 140	190 – 240
Viscosity (25 °C), Pa·s	$(1 - 15) \times 10^{-3}$	$(1 - 15) \times 10^{-3}$
Surfactant, % wt on solids	4 – 10	4 – 8

Applications

- Top-coat passes on cookware, bakeware and industrial articles to give superior gloss
- Impregnation of glass fiber and other high-temperature fabrics
- Metal coatings used together with PTFE concentrate to improve gloss of impregnation and coating films
- Chemical, mechanical, petroleum, pharmaceutical, electronic and optical industries

Comparable Grades

AD-100 ≈ Pureflon FC-680; AD-200 ≈ Pureflon FC-690

Safety Precautions

- Avoid inhaling mist or vapor during handling; keep the work area ventilated.
- Prevent dispersion from freezing or drying on equipment.
- Read the safety data sheet carefully before use.

Storage & Handling

- Store in a clean, cool, dry warehouse, protected from dust and contamination.

Packing

- Packed in PE plastic drums, 25 kg or 35 kg net weight per drum.
- Store at 10 – 30 °C; avoid freezing, direct sunlight and contamination.
- Transport as non-dangerous goods; protect from sun and rain during transportation.