

TECHNICAL DATA SHEET

Poloxamer 407 (Pluronic F127) | CAS 9003-11-6

1. Product Identification

Product Name	Poloxamer 407 (Pluronic F127)
CAS Number	9003-11-6
Synonyms	Pluronic F127, Lutrol F 127, Poloxamer 407, Block copolymer
Category	Polymer
Available Grades	Pharmaceutical Grade/Technical
HSN Code	3906.90

2. Physical & Chemical Properties

Molecular Formula	$(C_{12}H_{20}O)_x \cdot (C_{64}H_{128}O)_y \cdot (C_{10}H_{18}O)_z$
Molecular Weight	≈12,600
Appearance	Refer to TDS
Density	N/A
Boiling Point	N/A
Melting Point	N/A
Flash Point	N/A
Solubility	N/A

3. Applications

• Pharmaceutical gel base • Drug delivery • Cosmetics • Surfactant • Emulsifier

4. Industries Served

Pharma, Cosmetics, Biotech

5. Packing & Supply

Standard industrial packing. Bulk and customised packing available on request. Export supply with full documentation (COA, MSDS, COO, Packing List).

Values are typical and given in good faith as a guide to product characteristics; they do not constitute a specification or guarantee. Refer to the batch COA for certified values.