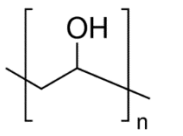


FT- B63US0

POLY(VINYL ALCOHOL) (PVA, PEG)

Product name synonyms	Cat.number Qty 0-250mg. 0-1g 1-5g	MW (g·mol ⁻¹)	Structure
<ul style="list-style-type: none"> • AMINE 			
Poly(Vinyl Alcohol), 86-89% Hydrolyzed Syn. : Mowiol® ; PVOH ; PVA ; PEG ; PEG-OH ; Alcotex; Alvyl ;Aracet APV;Cipoviol W 72 (Z) CAS : 9002-89-5 MFCD00081922 Appearance : white or cream solid Soluble in water 86.0 to 89.0 mole% hydrolyzed < 5% volatile conten	B63US0-25g B63US1-100g B63US2-500g	10 000 to 26 000	 $[-\text{CH}_2\text{CH}(\text{OH})-]_n$ See #
Other PVA/PEG on inquire hydrolyzed 45 to 100%, MW 1000 to 125000Da		Density : 1.29 (6000Da)	

Storage Conditions:

Store at -20°C ^(M)(+4°C possible for short term^(L)). Keep in dry and avoid sunlight.

Physical Properties:

- Soluble in regular aqueous solution.
 - Incompatible with strong oxidizing agents.
- Polymer of EthylOxy units (MW : 44.02620)

Applications

Polyvinyl alcohol is used in a variety of laboratory applications.

- MW 10-26K :[□]
 - as a fixative for specimen collection.
 - as a protective colloid, to stabilize gold colloids of diameter 3-8nm.
 - as a biological reagent to test the dispersion of zinc oxide nanoparticles,
 - In medical procedures it is used as an embolization agent.
 - In industry, as a film used in the water transfer printing process, as a surfactant for the formation of polymer encapsulated nanobeads, as an emulsion polymerization aid to make polyvinyl acetate,
- Other applications (may use other MW PVA) :
 - .preparation of multilayer active film for its antimicrobial analysis (Fully Hydrolyzed)[□]
 - .to make glues, adhesives, in paints, as a fixative in textile, as demolding agent in agroindustry,...[□]

FT- B63US0

Related / associated products and documents

See or [ask](#) for

•mPEG (Methoxy-PolyEthyleneGlycol ; Methyl-PolyOxyEthylene ; $\text{CH}_3\text{O}-\text{CH}_2\text{CH}_2\text{O})_n-\text{CH}_2\text{CH}_2-\text{OH}$) (mPEG-OH)

Appearance: Viscous liquid or white solid depends on MW.

mPEG_x-Hydroxyl (purified with 15% dispersivity), from 160Da to 40000Da #AWK7L
and with other fonctionnal groups (FT-[AYPMB0](#))

mPEO_n-Hydroxyl (synthetic ; single compound) with n=7-11-15-23-36-48 #AXCJZ0
and other fonctionnal groups (FT-[0B6601](#))

fonctionnal groups include -NH₂, -COOH, -SH,... and reactive ones (-Succinimide esters, Maleimide, Alkyne, Azide, Hydrazide, Alkyne, -DBCO, TCA, Tosyl, Acryl, NPC,...)

- Homo-and Hetero-BiFunctionalized PEG (purified/oligodisperse) and PEO (synthetic/singl compound) crosslinkers.
- branched PEGs and PEOs.

See BioSciences Innovations catalogue and e-search tool.

For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

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