

Aquivion® PW79S-Li

Perfluorosulfonic Acid Lithium Salt

Solvay Specialty Polymers

Описание материалов:

Aquivion® PW79S-Li is a coarse powder based on the short-side-chain (SSC) copolymer of Tetrafluoroethylene and the Sulfonyl Fluoride Vinyl Ether (SFVE) $CF_2=CF-O-(CF_2)_2-SO_2F$ produced by Solvay. The resulting perfluoropolymer's functional groups are in their lithium sulfonate form, SO_3Li . Aquivion® PW79S-Li is chemically stabilized (denoted by the S-suffix).

This material is characterized by a low equivalent weight and a high ionic exchange capacity. It is insoluble in water, acids or bases and in most solvents unless extreme conditions would be applied.

Aquivion® PW79S-Li can be mechanically processed into blends, films or substrate coatings and preferably accompanied or followed by a heat treatment. Furthermore, It can be dissolved in organic solvents that are dipolar aprotic such as N-ethyl-2-pyrrolidone (NEP) and dimethyl sulfoxide. To facilitate the dissolution, slightly increase the temperature to 50-60°C.

For casting processes you can also consider Aquivion® D79-25BS-Li dispersion.

Please visit Aquivion.com for more information.

Главная Информация			
Внешний вид	Белый		
Формы	Порошок		
Физический	Номинальное значение	Единица измерения	Метод испытания
Эквивалент (EW) ¹	770 - 810	g/eq	Internal method
Емкость ионного обмена	1.23 - 1.30	meq/g	Internal method
Дополнительная информация	Номинальное значение	Единица измерения	Метод испытания
HEALTH, SAFETY AND ENVIRONMENT			
Aquivion® powders are not harmful if used and handled according to standard processing procedures, such as those outlined in "The Guide to the Safe Handling of Fluoropolymer Resins" issued by the Society of the Plastics Industry. If handled inappropriately, powders may release harmful toxic chemicals. Please refer to corresponding Material Safety Data Sheets for more information on handling and safety.			
PACKAGING, SHIPMENT AND STORAGE			
Aquivion® powders are delivered in standard polypropylene bottles and drums. Products should be kept closed in their original packaging.			

NOTE	
1.	eq = mol SO_3H

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