



DS204 PVDF

Homopolymer PVDF Powder for Filtration Membranes

Description

DS204 is a high molecular weight homopolymer of vinylidene fluoride. **DS 204** is suitable for non-solvent induced phase separation (NIPS) processing. **DS204** has high corrosion resistance against acids, alkalis, strong oxidizers, and halogens. It has good chemical stability performance with aliphatic and aromatic hydrocarbons, aldehydes, alcohols and other organic solvents.

Application

DS204 is a PVDF resin used to produce membrane materials for water treatment.

Safety Precautions

Adequate ventilation in properly maintained processing and handling areas will eliminate known hazards to personnel. Resin containers should be opened and used in well ventilated areas.

Equipment used to process at melt temperatures should be provided local exhaust ventilation to completely remove all fumes and vapors from the processing area. Additionally, care should be exercised to avoid the contamination of cigarettes and other forms of smoking tobacco when using fluoroplastic resins. Before processing any fluoroplastics, read the Safety Data Sheet available upon request. Also read the detailed information in the latest edition of the "Guide to the Safe Handling of Fluoropolymer Resins" published by the Fluoropolymers Division of the Plastics Industry Association (www.plasticsindustry.org/supply-chain/material-suppliers/fluoropolymers-division).

Product Packaging

DS204 is packaged in 20 kgs circular fiber drums.

Storage

The properties of **DS204** are not affected by storage time. Ambient storage conditions should be free of airborne contamination and water condensation when opening and emptying the package. Recommended storage temperature range 5 to 30°C. Avoid heat, moisture and strong shock.

Transportation

The product should be transported as a non-dangerous product.

Physical Properties	Typical Value ⁽²⁾	Unit	Test Method ⁽¹⁾
Specific Gravity	1.77 to 1.79		ASTM D 792
Melting Point	160 to 165	°C	ASTM D 3418
Thermal Decomposition ≥	380	°C	TGA, 1% Wt. Loss Air
Viscosity	1,500 to 3,000	mPa • s	30°C, 0.1g/g DMAC
Moisture	0.10	%	HG/T 2902-1997
Dissolubility	Clear	-	Visual Inspection

(1) Tested in accordance with the latest issue of the designated Test Methods.

(2) Data represents typical values and should not be used for specification work.

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