



DS203 PVDF

High Melt Flow Homopolymer PVDF Powder for Powder Coating

Description

DS203 is a low molecular weight, high melt flow rate homopolymer of vinylidene fluoride for powder coating. **DS203** is an odorless white powder. It has high corrosion resistance against acids, alkalis, strong oxidizers, and halogens. **DS203** is resistant to ultraviolet light and radiation. It has good chemical stability performance with aliphatic and aromatic hydrocarbons, aldehydes, alcohols and other organic solvents.

Application

DS203 is a PVDF resin used to produce fluoropolymer coatings.

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

DS203 is packaged in 20 kgs circular plastic drums, 250 kgs anti-static bag or 500 kgs anti-static bag.

Storage

The properties of **DS203** 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	165 to 175	°C	ASTM D 3418
Melt Index (372°C, 2.16 kgs)	8.0 to 15.0	g/10 min	ASTM D 1238
Thermal Decomposition ≥	380	°C	TGA, 1% Wt. Loss Air
Purity. >/=	99.5	%	FTIR
Moisture	0.10	%	HG/T 2902-1997

(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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