

Hyflon® AD 40H

Perfluoropolymer

Solvay Specialty Polymers

Описание материалов:

Hyflon AD 40H is an amorphous perfluoropolymer that can be supplied in powder form. The properties of Hyflon AD polymer are similar to semi-crystalline perfluoropolymers, showing high temperature stability, excellent hydrophobicity and chemical resistance, and very low surface energy. Hyflon AD polymer is characterized by its solubility in selected solvents. Especially in perfluorinated solvents, it has the characteristics of high solubility and low solution viscosity, and is suitable for solution processing technology.

It is possible to obtain a uniform Hyflon AD film or coating (if necessary, the thickness can be as low as sub-micron level) under conditions far lower than the baking temperature of conventional semi-crystalline perfluoropolymer by casting or coating technology and heat treatment.

Typical uses include protective coatings, interlayer insulating films and electronic films

The main characteristics of Hyflon AD 40H include:

- amorphous glassy polymer structure
- can be dissolved in perfluorinated solvent
- low dielectric constant, 2.0/kilohertz
- excellent optical performance
- high UV transmittance
- low refractive index

Главная Информация	
Характеристики	Хорошая химическая стойкость Термическая стабильность, хорошая Аморфный
Используется	Пленка Нанесение покрытия
Формы	Порошок
Метод обработки	Лечение раствора Покрытие

Физический	Номинальное значение	Единица измерения	Метод испытания
Удельный вес	1.98	g/cm ³	ASTM D792
Внутренняя вязкость (30°C)	1.3	dl/g	ASTM D2857
Тепловой	Номинальное значение	Единица измерения	Метод испытания
Температура перехода стекла	90.0	°C	ASTM D3418
Оптический	Номинальное значение	Метод испытания	
Индекс преломления	1.331	ASTM D542	

Дополнительная информация

Hyflon AD 40H is a perfluoropolymer with excellent chemical and thermal stability. It is suitable for use in a wide range of applications, including protective coatings, interlayer insulating films, and electronic films. The polymer is characterized by its low surface energy, high hydrophobicity, and excellent optical performance. It is also highly resistant to UV radiation and has a low refractive index. Hyflon AD 40H can be processed by casting or coating technology, and the resulting films or coatings are highly durable and long-lasting.

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