

Hyflon® AD 40H

Perfluoropolymer

Solvay Specialty Polymers

Message:

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

General Information			
Features	Good chemical resistance Thermal stability, good amorphous		
Uses	Films Coating application		
Forms	Powder		
Processing Method	Solution treatment Coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.98	g/cm ³	ASTM D792
Intrinsic Viscosity (30°C)	1.3	dl/g	ASTM D2857
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	90.0	°C	ASTM D3418
Optical	Nominal Value		Test Method
Refractive Index	1.331		ASTM D542
Additional Information			

安全性和毒理学 -在使用Hyflon含氟聚合物树脂铅,遵循所有的标签说明和操作注意事项.

-和所有含氟聚合物材料一样,操作和加工必须在通风良好的场所进行,设备上方应安装蒸汽抽气装置.不能 吸入烟雾,应避免接触皮肤和眼睛.如有皮肤接触,用肥皂和水清洗干净.如触及眼睛,应立即用大量清水冲洗,并寻求医疗帮助.不要在粉尘,蒸汽或烟雾污染的环境吸烟. 存储和操作

-如果在室温下放置于政界干燥的环境,就无需担心Hyflon含氟聚合物树脂保质期.容器打开后应再次密封完好,以防止灰尘污染.

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