

Solvay Specialty Polymers Hyflon® AD 40L Perfluoropolymer

Category : Polymer , Thermoplastic , Fluoropolymer , TFE/Perfluoromethylvinylether Copolymer (MFA)

Material Notes:

Hyflon® AD 40L is an amorphous perfluoro-polymer available in powder form. Hyflon® AD polymers resemble semicrystalline perfluoropolymers in their performance properties as they exhibit high temperature stability, excellent hydrophobicity and chemical resistance as well as very low surface energy. Key distinctive feature of Hyflon® AD polymers is that they are soluble in selected solvents. In particular, their high solubility in perfluorinated solvents and their low solution viscosities make them suitable for solution process technologies. Hyflon® AD can provide uniform and thin films or coatings (down to submicron thicknesses if required) by casting or coating techniques and thermal treatments, well below the typical baking temperatures of semicrystalline perfluoro-polymers. Features: Amorphous; Good Chemical Resistance; Good Thermal Stability Uses: Coating Applications; Film Additional Properties: Intrinsic Viscosity - ASTM D2857 (30°C): 0.40 dl/g Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Hyflon-AD-40L-Perfluoropolymer.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|-----------|
| Density | 1.98 g/cc | 0.0715 lb/in ³ | ASTM D792 |

| Thermal Properties | Metric | English | Comments |
|---------------------------|---------|---------|------------|
| Glass Transition Temp, Tg | 90.0 °C | 194 °F | ASTM E1356 |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|-----------|
| Refractive Index | 1.331 | 1.331 | ASTM D542 |

| Descriptive Properties | Value | Comments |
|------------------------|------------------------------|----------|
| Availability | Africa & Middle East | |
| | Asia Pacific | |
| | Europe | |
| | Latin America | |
| | North America | |
| Form | Powder | |
| Processing Technique | Coating; Solution Processing | |

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