

LUMIFLON® LF-810Y Resin

Preliminary Product Data Sheet



LUMIFLON fluoropolymer resins were developed in 1982 as the first solvent-soluble fluoropolymers in the world. LUMIFLON polymers consist of alternating fluoroethylene and alkyl vinyl ether segments (FEVE). The fluorinated segments provide outstanding UV stability, weather resistance, and chemical resistance, while the vinyl ether segments provide solvent compatibility and cross-linking sites. LUMIFLON resins are used to make ultra-weatherable coatings for architectural, aerospace, automotive, and industrial maintenance markets.

LUMIFLON LF-810Y

LUMIFLON LF-810Y is a high molecular weight, low OH number fluoropolymer resin. It is meant to be formulated without crosslinkers, yielding coatings with extremely high weatherability and corrosion resistance. Potential applications for coatings made with LF-810Y include architectural, industrial maintenance, and bridge coatings.

Typical Physical Properties LUMIFLON LF-810Y

Physical Property	Value
Appearance	Clear Liquid
Gardener Color	< 2
Solids, wt. %	55%
OH Number, mg KOH/g-polymer	4
Specific Gravity, 25° C	1.04
Viscosity, centipoise	1800-2000
Tg (°C.)	45

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