

Technical Data Sheet

Fluorolink® MD700

Perfluoropolyether

Fluorolink® MD700 is a bifunctional PFPE-urethane methacrylate.

When used as the main component of a photocurable formulation, Fluorolink® MD700 is suitable as an oligomer for producing low optical loss polymeric waveguides and cladding of optical fibres.

Fluorolink® MD700 can also be used as a surface modifying additive in acrylic UV-curable systems: in fact, thanks to its tendency to migrate to the air-coating interface, Fluorolink® MD700 imparts outstanding water/oil repellency, antigraffiti and antifingerprint properties.

Properties	Typical Value	Units	Test Method
Functional groups	Urethane methacrylate		
Dynamic viscosity at 20 °C	430	cP	
Fluorine content	52	% w/w	
Average molecular weight	~2,000	amu	

How to use

When used as an additive at low dosage (0.1–0.5 % w/w) into a UV-curable formulation, Fluorolink® MD700 does not require special curing conditions, while UV-curing under nitrogen is recommended whenever the Fluorolink® MD700 is used as the major component of the photocurable formulation.

Even if the product shows an excellent shelf-life, it is recommended to avoid long and direct exposure to strong light sources.

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