Product Data Sheet

FLUOROLINK® E10-H

Fluorolink® E10-H is a dialcohol terminated, ethoxylated derivative of ***Fluorolink® D10-H*** perfluoropolyether with the following chemical structure:

$$HO(CH_2CH_2O)_nCH_2CF_2O(CF_2CF_2O)_p(CF_2O)_qCF_2CH_2(OCH_2CH_2)_nOH$$

Thanks to its functional groups, ***Fluorolink® E10-H*** can be used to modify common polymers such as polyurethanes, polyester, epoxy, and coatings. Small amounts (0.5-2.0%) are enough to improve the surface properties, typically the coefficient of friction, wear resistance, water and oil repellence of common materials.
A higher amount imparts an exceptional chemical resistance to the corresponding materials, moreover ***Fluorolink® E10-H***, thanks to the ethoxylated "spacer", exhibits a similar reactivity with respect to common hydrogenated oligomeric alcohols.

Typical properties of ***Fluorolink® E10-H*** are as follows:

PROPERTIES	TYPICAL VALUES
Functional groups	ALCOHOL
Average equivalent weight (NMR)	750
Surface tension (20°C)	23 dynes/cm
Fluorine content	57%
Kinematic viscosity (20°C)	115 cSt
Refractive index nD_{20}	1.317
Specific gravity (20°C)	1.73 g/ml
Glass transition	-100°C
Appearance	Clear, light yellow liquid

Solvay
Solexis

SOLVAY

SOLVAY SOLEXIS SpA

Viale Lombardia, 20

I-20021 Bollate, Milan - Italy

Phone +39 02 3835 1

Fax +39 02 3835 2129

www.solvaysolexis.com

www.solvay.com

www.solvay-fluor.com

studio CESARE PALANGE DESIGN

SOLVAY

a Passion for Progress®