

LG Chemical LGflex GL300 Plasticizer

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Features: Excellent Viscosity, Heat Stability and Non-endocrine disrupter
Application: PVC Calenderings/Leathers, Sheets, Gloves,
Hose
Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LGflex-GL300-Plasticizer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.981 - 0.987 g/cc	0.981 - 0.987 g/cc	
Volatiles	3.8 %	3.8 %	Loss
	@Time 3600 sec	@Time 1.00 hour	
	7.2 %	7.2 %	Loss
	@Time 7200 sec	@Time 2.00 hour	
Viscosity	82 cP	82 cP	
Molecular Weight	390.56 g/mol	390.56 g/mol	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	22.6 MPa	3280 psi	
Elongation at Break	405 %	405 %	
50% Modulus	0.00618 GPa	0.896 ksi	
100% Modulus	0.0102 GPa	1.48 ksi	

Thermal Properties	Metric	English	Comments
Melting Point	-48.0 Â°C	-54.4 Â°F	Freezing Point
Boiling Point	400 Â°C	752 Â°F	
Flash Point	238 Â°C	460 Â°F	

Optical Properties	Metric	English	Comments
Refractive Index	1.484 - 1.49	1.484 - 1.49	

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 2.00e+11 ohm-cm	>= 2.00e+11 ohm-cm	

Chemical Properties	Metric	English	Comments
Acid Value	<= 0.020	<= 0.020	KOH mg/g
	<= 0.070	<= 0.070	After Heating, KOH mg/g

Descriptive Properties	Value	Comments
Color	<20 APHA	
Ester Value	284-290	
Flexible Temperature	-8 kg/cm ²	G=3.17x10 ³
Heat Loss	<0.07%	

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