

LG Chemical LGflex GL100 Plasticizer

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Features: Excellent Heat Loss and Non-endocrine disrupter Application: PVC Power Cable, Sheets
Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LGflex-GL100-Plasticizer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.973 - 0.979 g/cc	0.973 - 0.979 g/cc	
Volatiles	2.2 %	2.2 %	Loss
	@Time 3600 sec	@Time 1.00 hour	
	4.7 %	4.7 %	Loss
	@Time 7200 sec	@Time 2.00 hour	
Viscosity	85 cP	85 cP	
Molecular Weight	404 g/mol	404 g/mol	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	23.0 MPa	3340 psi	
Elongation at Break	410 %	410 %	
50% Modulus	0.00637 GPa	0.924 ksi	
100% Modulus	0.0103 GPa	1.49 ksi	

Thermal Properties	Metric	English	Comments
Melting Point	-45.0 Â°C	-49.0 Â°F	Freezing Point
Boiling Point	400 - 416 Â°C	752 - 781 Â°F	
Flash Point	252 Â°C	486 Â°F	

Optical Properties	Metric	English	Comments
Refractive Index	1.483 - 1.489	1.483 - 1.489	

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

Chemical Properties	Metric	English	Comments
Acid Value	<= 0.030	<= 0.030	KOH mg/g
	<= 0.070	<= 0.070	After Heating, KOH mg/g

Descriptive Properties	Value	Comments
Color	<20 APHA	
Flexible Temperature	-9 kg/cm ²	G=3.17x10 ³
Heat Loss	<0.07%	

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