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lupiace -Basic Properties-

				Flame Retardant V-0
Properties	Test Method	Terms	Units	LN23
				-
				-
Physical properties				
Density	ISO 1183	-	g/cm ³	1.10
Water absorption	-	23degC, Underwater	%	0.07
Rheological properties				
Melt Volume-flow Rate	ISO 1133	Temperature	cm ³ /10min	32
		Load	degC	300
			kg	2.16
Moulding shrinkage (3.2mmt)	-	MD	%	0.5 - 0.7
		TD		0.5 - 0.7
Mechanical properties				
Tensile modulus	ISO 527-1 , 527-2	23 degC	MPa	-
Yield stress				47
Yield strain			%	-
Nominal strain at break				25
Stress at 50% strain			MPa	-
Stress at break				-
Strain at break				%
Flexural strength	ISO 178	23 degC	MPa	80
Flexural modulus				2400
Charpy impact strength	ISO 179-1, 179-2	23 degC	kJ/m ²	-
Charpy notched impact strength	ISO 179-1, 179-2	23 degC	kJ/m ²	11
Thermal properties				
Temperature of deflection under load	ISO 75-1 , 75-2	1.80MPa	degC	80
		0.45MPa		95
Coefficient of Linear thermal expansion	ISO 11359-2	MD	1/degC	5.5E-05
		TD		5.8E-05
Flammability	UL94	0.75mmt	-	-
		1.5mmt	-	V-0
		2.0mmt	-	
		2.5mmt	-	
		3.0mmt	-	-
Electrical properties				
Relative permittivity	IEC 60250	100Hz	-	-
		1MHz	-	-
Dissipation factor	IEC 60250	100Hz	-	-
		1MHz	-	-
Volume resistivity	IEC 60093	-	ohm-m	3.E+14

Surface resistivity	IEC 60093	-	ohm	2.E+15
Electric strength	IEC 602431	1mmt 2mmt 3mmt	MV/m	- - -
Comparative tracking index	IEC 60112	-	-	-
Note				
Molding conditions -Examples of recommended molding conditions are shown below.-				
Drying of feedstock resin				Hot air drying at 110-120°C ---about 2-4 hours
Cylinder temp (rear)			°C	230-260
Cylinder temp (center)			°C	250-280
Cylinder temp (front)			°C	250-280
Nozzle temp			°C	240-260
Mold temp			°C	50-90
Injection pressure			MPa	20-150
Screw rotation			rpm	60-150
Injection speed			-	middle

The listed properties are portrayed as general information only and are not product specifications.
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Product Info.



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