Iupital -POM-

				Standard -1
Properties	Test Method	Terms	Units	F10-01 F10-02
				High Viscosity
				-01:For Extruding Molding
				-02:For General Molding
Physical properties				
Density	ISO 1183	-	g/cm^3	1.41
Water absorption	-	23degC, 60%RH	%	0.22
Rheological properties				
Melt Mass-flow Rate	ISO 1133		g/10min	2.5
Melt Volume-flow Rate			cm^3/10min	2.2
		Temperature	degC	190
		Load	kg	2.16
Moulding shrinkage (3mmt)	-	MD	%	2.2
		TD		-
Mechanical properties				
Tensile modulus	ISO 527-1 , 527-2	-	MPa	2800
Yield stress				63
Yield strain			%	10
Nominal strain at break				33
Stress at break			MPa	-
Strain at break			%	-
Flexural strength	ISO 178	-	MPa	89
Flexural modulus				2500
Charpy impact strength	ISO 179-1, 179-2	23 degC	kJ/m^2	280
Charpy notched impact strength	ISO 179-1, 179-2	23 degC	kJ/m^2	8.0
Thermal properties				
Melting temperature	ISO 11357-3		degC	166
Temperature of deflection under load	ISO 75-1 , 75-2	1.80MPa	degC	100
		0.45MPa		156
Coefficient of Linear thermal expansion	ISO 11359-2	MD	1/degC	1.1E-04
		TD		1.1E-04
Flammability	UL94	0.8mmt	-	HB
Electrical properties				
Relative permittivity	IEC 60250	100Hz	-	3.9
		1MHz	-	3.9
Dissipation factor	IEC 60250	100Hz	-	0.002
		1MHz	-	0.007
Volume resistivity	IEC 60093	-	ohm-m	1.E+12
Surface resistivity	IEC 60093	-	ohm	1.E+16
Electric strength	IEC 60243-1	1mmt	MV/m	32

		3mmt		19
Comparative tracking index	IEC 60112	-	-	600
Note				
Molding conditions -Examples of recommended molding conditions are shown below.-				
Drying of feedstock resin				Hot air drying at 80℃---about 3-4 hours
Cylinder temp (rear)			℃	170
Cylinder temp (center)			℃	180
Cylinder temp (front)			℃	190
Nozzle temp			℃	180-210
Mold temp			℃	60-80
Injection pressure			MPa	50-100
Screw rotation			rpm	80-120
Injection speed			-	middle

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

Iupilon NOVAREX XANTAR Reny NOVADURAN Iupital Iupiace LEMALLOY

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