

LEMALLOY

Modified PPE Resin

				PPE/PP Alloy
Properties	Test Method	Terms	Units	PX603Y
				High Flowability
				-
				-
Physical properties				
Density	ISO 1183	-	g/cm ³	0.98
Water absorption	-	23degC, Underwater	%	-
Rheological properties				
Melt Volume-flow Rate	ISO 1133	Temperature Load	cm ³ /10min	55
			degC	280
			kg	5
Moulding shrinkage (3.2mmt)	-	MD TD	%	1.0 - 1.2 1.1 - 1.3
Mechanical properties				
Tensile modulus	ISO 527-1 , 527-2	23 degC	MPa	1900
Yield stress			MPa	42
Yield strain			%	-
Nominal strain at break			%	-
Stress at 50% strain			MPa	-
Stress at break			MPa	-
Strain at break	%	-		
Flexural strength	ISO 178	23 degC	MPa	59
Flexural modulus			MPa	1900
Charpy impact strength	ISO 179-1 , 179-2	23 degC	kJ/m ²	NB
Charpy notched impact strength		23 degC	kJ/m ²	5
Thermal properties				
Temperature of deflection under load	ISO 75-1 , 75-2	1.80MPa 0.45MPa	degC	- 120
Coefficient of Linear thermal expansion	ISO 11359-2	MD TD	1/degC	- -
	UL94	0.8mmt	-	-
	UL94	1.6mmt	-	-
Flammability	UL94	3.2mmt	-	-
Electrical properties				
Relative permittivity	IEC 60250	100Hz	-	-
		1MHz	-	-
Dissipation factor	IEC 60250	100Hz	-	-
		1MHz	-	-
Volume resistivity	IEC 60093	-	ohm-m	-
Surface resistivity	IEC 60093	-	ohm	-
Electric strength	IEC 60243-1	1mmt	MV/m	-
		2mmt		-
		3mmt		-
Comparative tracking index	IEC 60112	-	-	-

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

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