

				Standard	
Properties	Test Method	Terms	Units	TG20	TG30
				Medium Viscosity	Low Viscosity
				For General Molding	
Physical properties					
Density	ISO 1183	-	g/cm ³	1.41	1.41
Water absorption	-	23degC, 60%RH	%	0.22	0.22
Rheological properties					
Melt Mass-flow Rate	ISO 1133	Temperature Load	g/10min	9.0	27
Melt Volume-flow Rate			cm ³ /10min	7.7	23
			degC	190	190
			kg	2.16	2.16
Moulding shrinkage (3mmt)	-	MD TD	%	2.0 -	2.0 -
Mechanical properties					
Tensile modulus	ISO 527-1, 527-2	-	MPa	2900	2900
Yield stress				64	64
Yield strain			%	8.5	7.5
Nominal strain at break				30	25
Stress at break			MPa	-	-
Strain at break		%	-	-	-
Flexural strength	ISO 178	-	MPa	90	91
Flexural modulus				2600	2700
Charpy impact strength	ISO 179-1, 179-2	23 degC	kJ/m ²	250	150
Charpy notched impact strength		23 degC	kJ/m ²	7.0	6.0
Thermal properties					
Melting temperature	ISO 11357-3		degC	166	166
Temperature of deflection under load	ISO 75-1, 75-2	1.80MPa 0.45MPa	degC	100 156	100 156
Coefficient of Linear thermal expansion	ISO 11359-2	MD TD	1/degC	1.1E-04 1.1E-04	1.1E-04 1.1E-04
Flammability	UL94	0.8mmt	-	-	-
Electrical properties					
Relative permittivity	IEC 60250	100Hz 1MHz	- -	3.9 3.9	3.9 3.9
Dissipation factor	IEC 60250	100Hz 1MHz	- -	0.002 0.007	0.002 0.007
Volume resistivity	IEC 60093	-	ohm-m	1.E+12	1.E+12
Surface resistivity	IEC 60093	-	ohm	1.E+16	1.E+16
Electric strength	IEC 60243-1	1mmt 3mmt	MV/m	32 19	32 19
Comparative tracking index	IEC 60112	-	-	600	600