

Properties	Test method	Terms	Units	High Surface hardness · Scratch resistant	
				KH3161UR	
				Surface hardness HB	
Physical properties					
Density	ISO 1183	-	g/cm ³		1.19
Rheological properties					
Melt Volume-flow Rate	ISO 1133	-	cm ³ /10min		30
		Test temp.	°C		300
		Test load	kg		1.20
Moulding shrinkage (2mm)	-	MD	%		0.5-0.7
		TD	%		0.5-0.7
Mechanical properties					
Tensile modulus	ISO 527-1,2	-	MPa		2,700
Yield stress				69	
Yield strain			%		6
Nominal strain at break				-	
Stress at 50% strain			MPa		-
Stress at break				-	
Strain at break	%		-		
Flexural strength	ISO 178	-	MPa		106
Flexural modulus				2,500	
Charpy impact strength	ISO 179-1, 2	23°C	kJ/m ²		NB
Charpy notched impact strength		23°C			3
Thermal properties					
Melting point	ISO 11357-3	-	°C		-
Temperature of deflection under load	ISO 75-1, 2	1.80MPa	°C		106
		0.45MPa			-
Coefficient of Linear thermal expansion	ISO 11359-2	MD : -30~120°C	1/°C		-
		MD : -30~35°C			-
		MD : 35~120°C			-
		TD : -30~120°C			-
Flammability	UL94 UL94 UL94 UL94	-	-		V-2(0.4mm)相当
Electrical properties					
Relative permittivity	ISO62562	2.45 GHz	-		-
Dissipation factor	ISO62562	2.45 GHz	-		-
Volume resistivity	IEC 60093	-	Ω · m		-
Surface resistivity	IEC 60093	-	Ω		-
Electric strength	IEC 60243-1	1mmt	M V/m		-
		2mmt			-
		3mmt			-
Comparative tracking index (CTI)	UL746A	-	-		-
RTI(Elec)	UL746B	-	-		-
RTI(Imp)	UL746B	-	-		-
RTI(Str)	UL746B	-	-		-

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