

Properties	Test method	Terms	Units	High Surface hardness	
				KH3520UR	
				Surface hardness 3H	
Physical properties					
Density	ISO 1183	-	g/cm ³		1.17
Rheological properties					
Melt Volume-flow Rate	ISO 1133	-	cm ³ /10min		33
		Test temp.	°C		300
		Test load	kg		1.20
Moulding shrinkage (2mmt)	-	MD	%		0.5-0.7
		TD			0.5-0.7
Mechanical properties					
Tensile modulus	ISO 527-1,2	-	MPa		2,900
Yield stress				82	
Yield strain				%	6
Nominal strain at break					33
Stress at 50% strain				MPa	-
Stress at break				%	-
Strain at break					-
Flexural strength	ISO 178	-	MPa		113
Flexural modulus				2,900	
Charpy impact strength	ISO 179-1, 2	23°C	kJ/m ²		37
Charpy notched impact strength		23°C			2
Thermal properties					
Melting point	ISO 11357-3	-	°C		-
Temperature of deflection under load	ISO 75-1, 2	1.80MPa	°C		92
		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			-
		TD : -30~35°C			-
		TD : 35~120°C			-
Flammability	UL94	-	-		HB(0.8mmt) (natural color)
	UL94				HB(1.0mmt)
	UL94				HB(3.0mmt)
	UL94				
Electrical properties					
Relative permittivity	ISO62562	2.45 GHz	-		2.60
Dissipation factor	ISO62562	2.45 GHz	-		0.0027
Volume resistivity	IEC 60093	-	Ω · m		-
Surface resistivity	IEC 60093	-	Ω		-
Electric strength	IEC 60243-1	1mmt	MV/m		-
		2mmt			-
		3mmt			-
Comparative tracking index (CTI)	UL746A	-	-		-
RTI(Elec)	UL746B	-	-		80
RTI(Imp)	UL746B	-	-		80
RTI(Str)	UL746B	-	-		80

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