

CM3004-V0**Injection molding / Flame retardant / Unreinforced / (Flame retardant, anti-halogen)**

Property			Test Method (ASTM)	Units	CM3004-V0	
					Dry	2.2%water
Reinforcing Material Content			-	wt%	-	
Specific Gravity			D792	-	1.19	-
Water	23 C,24hrs		D570	%	1.1	-
Absorption	23 C saturated water absorption				7.5	-
Tensile Yield Strength		-40 C	D638	MPa	-	-
		23 C			85	65
		80 C			45	-
Elongation at Break		-40 C	D638	%	-	-
		23 C			12	12
		80 C			-	-
Flexural Strength		-40 C	D790	MPa	170	-
		23 C			125	70
		80 C			65	-
Flexural Modulus		-40 C	D790	GPa	-	-
		23 C			3.5	1.5
		80 C			1.2	-
Izod Impact	v-notched	-40 C	D256	J/m	40	-
	v-notched	23 C			45	110
		unnotched	23 C		kJ/m ²	135
Rockwell Hardness		23 C	D785	R-scale	120	-
Taber Abrasion			D1044	mg/ 1000cycles	9~10	-

Melting Point		DSC Method	C	265	-
Coef. of Linear Thermal Expansion		D696	$10^{-5}/\text{ }^{\circ}\text{C}$	-	-
Heat Deflection Temp	0.46MPa	D648	C	244	-
	1.86MPa			-	-
UL-94 Flame Class		UL-94	-	V0(1/64")	
Volume Resistivity		D257	m	10^{13}	-
Dielectric Strength(3mmt)		D149	MV/m	28	-
Dielectric Constant	1MHz	D150	-	5.2	-
Dissipation Factor	1MHz	D150	-	0.07	-
Arc Resistance		D495	sec.	127	-
IEC tracking Index(CTI)			UL746B	600<	-
Mold Shrinkage	1mmt	TORAY	%	0.6~0.9	
	3mmt			1.0~1.6	

Notes: These values are typical data for this product under specific test conditions and not intended for use as limiting specifications.

资料来源：
[鸿润（创业）工程塑料](#)