項目 Properties	單位 Unit	檢驗方法 Test Method	標準級 Standard Grades					
			FM025/ FM025E	R6	FM090	FM130	FM270	FM450
熔融指數 Melt Index	g/10min	ASTM D1238	2.5	6	9	13	27	45
比重 Specific Gravity		ASTM D792	1.41	1.41	1.41	1.41	1.41	1.41
硬度 Rockwell Hardness	M刻度	ASTM D785	78	80	80	80	80	80
抗折強度 Flexural Strength	kgf/cm^2	ASTM D790	950	950	950	950	950	950
抗折彈性係數 Flexural Modulus	kgf/cm^2	ASTM D790	26000	26000	26000	26000	26000	26000
拉伸強度 (降伏點) Tensile Strength (at yield point)	kgf/cm^2	ASTM D638	610	620	630	630	620	620
延伸率(斷裂點) Tensile Elongation (at break point)	%	ASTM D638	75	65	60	55	45	35
衝擊強度(凹側) Izod impact Strength (V-notched)	kgf＊cm/cm	ASTM D256	7.6	7.0	6.5	6	5.4	4.5
吸水率 Water Absorption	%	ASTM D570	0.22	0.22	0.22	0.22	0.22	0.22
阻燃性 Flammability		UL94	HB	HB	HB	HB	HB	HB
成型收縮率 (3mm^t ,4in圓盤) Mold Shrinkage (3mm^t ,4in disk)	%		1.8-2.2	1.8-2.2	1.8-2.2	1.8-2.2	1.8-2.2	1.8-2.2
熱變形溫度 18.6kgf/cm^2 Heat Deflection Temperature 4.6kgf/cm^2	℃	ASTM D648	110 158	110 158	110 158	110 158	110 158	110 158
線膨脹係數 Linear Expansion Factor	cm/cm℃ $x10^{-5}$	ASTM D696	8.45	8.45	8.45	8.45	8.45	8.45
熔點 Melting Point	℃	ASTM DSC	165	165	165	165	165	165
VICAT軟化點 Vicat Softing Temp	℃	ASTM D1525	162	162	162	162	162	162
體積電阻率 Volume Resistivity	Ωcm	ASTM D257	$1x10^{14}$	$1x10^{14}$	$1x10^{14}$	$1x10^{14}$	$1x10^{14}$	$1x10^{14}$
表面電阻率 Surface Resistivity	Ω	ASTM D257	$1x10^{16}$	$1x10^{16}$	$1x10^{16}$	$1x10^{16}$	$1x10^{16}$	$1x10^{16}$
介電常數 Dielectric Constant	50HZ 1KHZ 1MHZ	ISO IEC250	3.8 3.8 3.8	3.8 3.8 3.8	3.8 3.8 3.8	3.8 3.8 3.8	3.8 3.8 3.8	3.8 3.8 3.8
絕緣強度 (2mm) Dielectric Breakdown Strength (2mm)	KV/mm	ASTM D149	24	24	24	24	24	24
特性 Features			高黏度 High-viscosity	標準增韌 Standard toughness	標準流動 Standard-flow	中流動 Medium-flow	高流動 High-flow	超高流動 Superhigh-flow
用途 Applications			FM025 for Injection molding FM025E for Extrusion and injection molding	韌性需求優於FM090 Used in higher toughness than FM090	一般射出用規格 For general molding	流動性需求略高於FM090 Used in higher demand for fluidity than FM090	用於小尺寸產品 Used to produce the small parts	用於小尺寸零件及薄製品 Used to produce the thin or small parts
			扣具 Buttons, 按扣 Press-in fasteners, 管件 Plumbing, 五金 Hardware, 家庭電器 Hou 齒輪 Gears, 軸承 Bearing, 拉鍊 Zippers					