

**VYLOPET® EMC405A**

(PBT+PET)

Toyobo Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.012	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.013	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength	55	MPa	ASTM D 638
Flexural Modulus	5100	MPa	ASTM D 790
Flexural Strength	98	MPa	ASTM D 790
Rockwell Hardness	M 80	-	ASTM D 785
Izod Impact notched, 1/8 in	40	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	50	E-6/K	ASTM D 696
DTUL @ 66 psi	205	°C	ASTM D 648
DTUL @ 264 psi	110	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Comparative tracking index	330	-	IEC 60112
<b>ASTM Data</b>			
Dielectric Strength, Short Time	24	kV/mm	ASTM D 149
Volume Resistivity	1E16	Ohm*cm	ASTM D 257
Arc Resistance	130	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	1440	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	140	°C	-
Pre-drying - Time	3	h	-
Melt temperature	265	°C	-
Mold temperature	80	°C	-

**Characteristics****Processing**

Injection Molding

**Features**

Low Warpage

**Applications**

Electrical and Electronical

**Regional Availability**

North America, Europe, Asia Pacific