

VYLOPET® EMC605P

(PBT+PET)

Toyobo Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.011	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.012	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	48	MPa	ASTM D 638
Flexural Modulus	3500	MPa	ASTM D 790
Flexural Strength	80	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
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Coefficient of Thermal Expansion, MD	70	E-6/K	ASTM D 696
DTUL @ 66 psi	185	°C	ASTM D 648
DTUL @ 264 psi	80	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	270	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	24	kV/mm	ASTM D 149
Volume Resistivity	1E16	Ohm*cm	ASTM D 257
Arc Resistance	90	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.06	%	ASTM D 570
Density	1420	kg/m ³	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

Fungus Resistance

Special Characteristics

Flame retardant

Regional Availability

North America, Europe, Asia Pacific