

VYLOPET® EMC133

Polyester

Toyobo Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.009	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength	141	MPa	ASTM D 638
Flexural Modulus	13300	MPa	ASTM D 790
Flexural Strength	240	MPa	ASTM D 790
Rockwell Hardness	M 95	-	ASTM D 785
Taber Abrasion Resistance	28	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	85	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.9	mm	-
Coefficient of Thermal Expansion, MD	30	E-6/K	ASTM D 696
DTUL @ 66 psi	245	°C	ASTM D 648
DTUL @ 264 psi	240	°C	ASTM D 648
Melting Temperature	255	°C	ASTM D 3418
Electrical properties			
ISO Data			
Comparative tracking index	270	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	25	kV/mm	ASTM D 149
Volume Resistivity	1E16	Ohm*cm	ASTM D 257
Arc Resistance	80	s	ASTM D 495
Other properties			
Density	1650	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	130	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	250 - 260	°C	-
Mold temperature	90 - 120	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant

Chemical Resistance

Hydrolytically Stable

Applications

Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific