

VYLOPET® EMC130-20

Polyester

Toyobo Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.008	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	110	MPa	ASTM D 638
Flexural Modulus	13000	MPa	ASTM D 790
Flexural Strength	150	MPa	ASTM D 790
Rockwell Hardness	M 90	-	ASTM D 785
Taber Abrasion Resistance	38	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	63	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	25	E-6/K	ASTM D 696
DTUL @ 66 psi	240	°C	ASTM D 648
DTUL @ 264 psi	225	°C	ASTM D 648
Melting Temperature	255	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	330	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	24	kV/mm	ASTM D 149
Volume Resistivity	1E16	Ohm*cm	ASTM D 257
Arc Resistance	181	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	1910	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant