

VYLOPET® EMC330

Polycarbonate + PBT

TOYOBO America, Inc.

Message:

VYLOPET® EMC330 is a polycarbonate polybutene terephthalate (PC PBT) product. It is available in North America. VYLOPET® The application areas of EMC330 include electrical appliances and home applications. The main characteristics are: flame retardant/rated flame.

General Information			
UL YellowCard	E51743-242570		
Features	Hydrolysis resistance		
Uses	Electrical appliances		
	Bathroom accessories		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.59	g/cm³	ASTM D792
	0.90		
Molding Shrinkage - Flow (3.00 mm)	0.30	%	ASTM D955
Water Absorption (24 hr)	0.060	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	147	MPa	ASTM D638
Tensile Elongation (Break)	2.2	%	ASTM D638
Flexural Modulus	9700	MPa	ASTM D790
Flexural Strength (Yield)	190	MPa	ASTM D790
Taber Abrasion Resistance (1000 Cycles, CS-17 Wheel)	15.0	mg	ASTM D1044
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	70	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	245	°C	ASTM D648
1.8 MPa, not annealed	220	°C	ASTM D648
Melting Temperature	255	°C	DSC
CLTE - Flow	3.0E-5	cm/cm/°C	ASTM D696
RTI Elec	130	°C	UL 746
RTI Imp	130	°C	UL 746

RTI	130	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+18	ohms·cm	ASTM D257
Dielectric Strength (2.00 mm)	25	kV/mm	ASTM D149
Arc Resistance	131	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.787 mm)	HB		UL 94
Additional Information			
Ball Pressure Temperature, UL746, Method B: 225 °CComparative Tracking Index, IEC Pub1.112: Class 3			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	255 - 270	°C	
Mold Temperature	90.0 - 120	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

