

VYLOPET® EMC132-02

Polycarbonate + PBT

TOYOBO America, Inc.

Message:

VYLOPET® EMC132-02 is a polycarbonate polybutene terephthalate (PC PBT) product. It is available in North America. The main characteristics are: flame retardant/rated flame.

General Information			
UL YellowCard	E51743-242559		
Features	Anti-arc		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.65	g/cm ³	ASTM D792
	0.90		
Molding Shrinkage - Flow (3.00 mm)	0.30	%	ASTM D955
Water Absorption (24 hr)	0.050	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	145	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	11600	MPa	ASTM D790
Flexural Strength (Yield)	220	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	78	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	215	°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	83.0	sec	ASTM D495

Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	V-0		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	250 - 260	°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



WECHAT