

VYLOPET® CA5310

Polycarbonate + PBT

TOYOBO America, Inc.

Message:

VYLOPET® CA5310 is a Polycarbonate + PBT (PC+PBT) product. It is available in North America. Typical application: Appliances.

Characteristics include:

Flame Rated

Impact Resistant

Rigid

General Information			
Features	Good Impact Resistance		
	High Rigidity		
Uses	Appliance Components		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
	0.60		
Molding Shrinkage - Flow (3.00 mm)	0.50	%	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	87.0	MPa	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	4000	MPa	ASTM D790
Flexural Strength (Yield)	136	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	52	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	128	°C	
1.8 MPa, Unannealed	120	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+17	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	130	°C	
Drying Time	3.0	hr	

Processing (Melt) Temp	270	°C
Mold Temperature	70.0	°C

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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

