

ECOVYLOPET® EMC2330

Polyethylene Terephthalate

TOYOBO America, Inc.

Message:

Features

1. Having made significant improvement in appearances, fluidity and mold release easiness, ECOVYLOPET® can be processed much easier than general PET for injection molding.
2. It is adaptable for large auto-parts and industrial product parts.
3. With a specific miscibility method, its impact resistance has greatly been enhanced.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Flow		
	Good Impact Resistance		
	Good Mold Release		
	Good Processability		
	Pleasing Surface Appearance		
	Recyclable Material		
Uses	Automotive Applications		
	Automotive Under the Hood		
	Bottles		
	Industrial Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.59	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 2.00 mm	0.30	%	
Across Flow : 2.00 mm	0.90	%	
Water Absorption (23°C, 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 Modulus	10000	MPa	ASTM D638
Tensile Strength (Yield)	142	MPa	ASTM D638
Tensile Elongation (Break)	2.2	%	ASTM D638
Flexural Strength (Yield)	195	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	81	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	245	°C	
1.8 MPa, Unannealed	220	°C	
CLTE - Flow	4.0E-5	cm/cm/°C	ASTM D696
Additional Information	Nominal Value	Unit	
Flexibility Modulus	2.7	%	
Injection	Nominal Value	Unit	
Mold Temperature	110	°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

