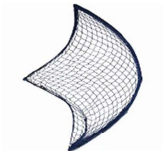
Profit A - PA8707-GF20

Polyamide 6 - Fishing Net Recycle



OOOBJECT

Technical Data

Products Description

Compound based on polyamide (PA6) w long glass fiber modification polymer
This Compound resin is made of the abandoned fishing nets collected from ocean.
Heat stabilised. Mineral filler. UL94 V-0 classified, with halogens. PBB/PBDE free.
Low thermal expansion coefficient. Very high dimension stability. High stiffness.
This version according to the requirment of toughness and anti- bending

General

Material status	* Commercial : Active	
Availability	* China	
Filler / Reinforcement	* Mineral filler, 30% filler by weight	
Additive	* Flame retardant	* Heat stabilizer
Features	* Flame retardant	* Halogenated
	* High stiffness	* Good dimensional stability
	* Heat stabilized	

Physical	Nominal Value Unit	Test method
Density	1.33 g/cm3	ASTM D792
Molding shrinkage 3		ASTM D955
Across flow : 2.00mm	0.39 ~ 0.63%	
Flow : 2.00 mm	0.31~0.55%	

Mechanical	Nominal Value Unit	Test method
Tensile modulus		ISO 527-2/1
23 C	10000 Mpa	
60 C	6800 Mpa	
90 C	3700 Mpa	
120 C	2800 Mpa	
150 C	2400 Mpa	
Tensile stress		ISO 527-2/5
Break 23 C	72.5 Mpa	
Break 60 C	59.0 Mpa	
Break 90 C	37.0 Mpa	
Break 120 C	28.0 Mpa	
Break 150 C	24.5 Mpa	
Tensile strain		ISO 527-2/5
Break 23 C	1.5 %	
Break 60 C	2.55 %	
Break 90 C	6.3 %	
Break 120 C	17 %	
Break 150 C	27.5 %	

Impact	Nominal Value Unit	Test method
Charpy notched impact strength		ISO 179/1eA
- 20C	2.5 kJ/m2	
+ 23C	2.35 kJ/m2	
Charpy unnotched impact strength		
- 20C	15kJ/m2	ISO 179/1eU
+ 23C	15kJ/m2	
Notched izod impact (23 C, 3.20 mm)	35kJ/m2	ASTM D256A

Thermal	Nominal Value Unit	Test method
Heat deflection temperature		
0.45 Mpa, Unannealed	210 C	ISO 75-2/B
1.8 Mpa, Unannealed	155 C	ISO 75-2/A

Document Created : 24 SEP 2020
Last Update : 24 SEP 2020