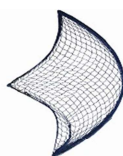


Profit A - PA-8707N

Polyamide 6 - Fishing Net Recycle



Technical Data

Products Description

Compound based on polyamide (PA6)

This Compound resin is made of the abandoned fishing nets collected from ocean.

Heat stabilized. Mineral filler. UL94 V-0 classified, with halogens. PBB/PBDE free.

Low thermal expansion coefficient. Very high dimension stability. High stiffness.

Smoky black pigment are inserted and not available color performance guaranteed.

General

Material status	* Commercial : Active	
Availability	* China	
Filler / Reinforcement	* Nil	
Additive	* Flame retardant	* Heat stabilizer
Features	* Flame retardant	* Halogenated
	* High stiffness	* Good dimensional stability
	* Heat stabilized	

Physical	Nominal Value Unit	Test method
Density	1.27g/cm ³	ASTM D792
Molding shrinkage 3		ASTM D955
Across flow : 2.00mm	0.18 ~ 0.53%	
Flow : 2.00 mm	0.20~0.50%	

Mechanical	Nominal Value Unit	Test method
Tensile modulus		ISO 527-2/1
23 C	10000 Mpa	
60 C	6500 Mpa	
90 C	3400 Mpa	
120 C	2600 Mpa	
150 C	2300 Mpa	
Tensile stress		ISO 527-2/5
Break 23 C	80.0 Mpa	
Break 60 C	60.0 Mpa	
Break 90 C	40.0 Mpa	
Break 120 C	35.0 Mpa	
Break 150 C	30.0 Mpa	
Tensile strain		ISO 527-2/5
Break 23 C	4.5 %	
Break 60 C	6.5 %	
Break 90 C	7.5 %	
Break 120 C	15 %	
Break 150 C	20 %	

Impact	Nominal Value Unit	Test method
Charpy notched impact strength		ISO 179/1eA
- 20C	3.0 kJ/m ²	
+ 23C	3.5 kJ/m ²	
Charpy unnotched impact strength		ISO 179/1eU
- 20C	15kJ/m ²	
+ 23C	15kJ/m ²	
Notched izod impact (23 C, 3.20 mm)	35kJ/m ²	ASTM D256A

Thermal	Nominal Value Unit	Test method
Heat deflection temperature		
0.45 Mpa, Unannealed	205 C	ISO 75-2/B
1.8 Mpa, Unannealed	155 C	ISO 75-2/A