

ETILINAS HD6070UA

High Density Polyethylene
POLYETHYLENE MALAYSIA SDN BHD

Message:

ETILINAS HD6070UA is an ultra-violet (UV) light stabilised high density polyethylene grade with a narrow molecular weight distribution, suitable for a wide range of injection moulding applications.

Characteristics include: easy processing, high rigidity, good impact strength, and high warpage resistance.

Applications include: crates, boxes, seats, pallets, structural foam, and automotive parts.

General Information			
Additive	UV stabilizer		
Features	Rigidity, high		
	Bending resistance		
	Impact resistance, good		
	Workability, good		
	Narrow molecular weight distribution		
Uses	Structural Foam		
	Application in Automobile Field		
	Loading box		
	Seat		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.6	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	31.0	MPa	ASTM D638
Yield	31.0	MPa	ISO 527-2/2
Tensile Elongation			
Fracture ²	300	%	ASTM D638
Fracture	300	%	ISO 527-2/2
Flexural Modulus			
-- ³	1250	MPa	ASTM D790A
--	1250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	6.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	127	°C	ISO 306
Melting Temperature	132	°C	
CLTE - Flow	2.0E-4	cm/cm/°C	ASTM D696
Thermal Conductivity	0.48	W/m/K	ASTM C177

Additional Information

Density, ISO 1872/1, Annealed: 960 kg/m³

Injection	Nominal Value	Unit
Processing (Melt) Temp	210 - 260	°C
Mold Temperature	20.0 - 60.0	°C

NOTE

1. Type 2
2. Type 2
3. Method I (three-point load)

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