ETILINAS HD5740UA

High Density Polyethylene

POLYETHYLENE MALAYSIA SDN BHD

Message:

ETILINAS HD5740UA is an ultra-violet (UV) light stabilised high density polyethylene copolymer grade with a narrow molecular weight distribution, specially developed for injection moulding of heavy duty articles.
Characteristics include: high rigidity, good weathering resistance, and high impact resistance, especially at low temperatures.
Applications include: large dustbins and pails, pallets, technical parts, pallet boxes, and fish crates.

General Information			
Additive	UV stabilizer		
Features	Rigidity, high Copolymer Impact resistance, high Low temperature impact resistance Good weather resistance Narrow molecular weight distribution		
Uses	Engineering accessories Barrel Loading box		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.9	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	66		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	28.0	MPa	ISO 527-2/2
Tensile Strain (Break)	200	%	ISO 527-2/2
Flexural Modulus	1100	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength	10	kJ/m^2	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	125	°C	ISO 306/A
Melting Temperature (DSC)	132	°C	ISO 3146
Thermal Conductivity	0.48	W/m/K	ASTM C177
Additional Information			

Density, ISO 1872/1, Annealed: 957 kg/m^3

Recommended distributors for this material

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