

ETILINAS HD3840UA

Medium Density Polyethylene
POLYETHYLENE MALAYSIA SDN BHD

Message:

ETILINAS HD3840UA is a ultra-violet (UV) light stabilised linear medium density polyethylene grade with a narrow molecular weight distribution, supplied in pellet form for use as a rotational moulding grade.

Characteristics include: good impact strength, excellent external and internal surface finish, and is UV stabilized.

Applications include: rotational moulded items, and injection moulded technical parts and closures.

General Information	
Additive	UV stabilizer
Features	Impact resistance, good
	Excellent appearance
	Narrow molecular weight distribution
Uses	Engineering accessories
	Shell
Forms	Particle
Processing Method	rotomolding
	Injection molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	16.0	MPa	ISO 527-2/2
Tensile Strain (Break)	200	%	ISO 527-2/2
Flexural Modulus	650	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	20	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	117	°C	ISO 306/A
Melting Temperature (DSC)	125	°C	ISO 3146
CLTE - Flow	1.0E-3	cm/cm/°C	ASTM D696
Thermal Conductivity	0.48	W/m/K	ASTM C177

Additional Information	
Density, ISO 1872/1, Annealed: 938 kg/m³	

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