



Rigidex[®] HD5760UA

Provisional Product Technical Information

High density polyethylene copolymer

Benefits & Features

Rigidex[®] HD5760UA is an ultra-violet light stabilised high density polyethylene copolymer grade. It has a narrow molecular weight distribution and has been specially developed for injection moulding of heavy duty articles for outdoor use.

- High rigidity
- High impact resistance, especially at low temperatures
- Good processing
- Very good weathering resistance

Applications

- Large dustbins and pails
- Pallet boxes
- Technical parts

Properties	Conditions	Test Methods	Values	Units
Physical				
Density		ISO 1183-1 & ISO 1872-1	957	kg/m ³
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	5,5	g/10min
Mechanical				
Tensile Modulus	23°C	ISO 527	1300	MPa
Tensile Strength at Yield		ISO 527-1,-2	28,5	MPa
Impact Strength, Charpy		ISO 180/A	4,5	kJ/m ²
Data should not be used for specification work				

Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.