



RIGIDEX® HD5740UA

Product Technical Information

RIGIDEX® HD5740UA is a UV-stabilised high density polyethylene copolymer grade. It has a narrow molecular weight distribution and has been specially developed for the injection moulding of heavy duty articles for outdoor use.

Benefits & Features

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

Applications

- Large dustbins and pails
- Pallet boxes
- Technical parts

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	4.0	g/10min
Physical				
Density ISO 17855-1	23°C	ISO 1183-1	957	kg/m ³
Mechanical				
Flexural Modulus	23°C	ISO 178	1300	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	29	MPa
Charpy Impact Strength, notched	23°C	ISO 179-1/1eA	4.5	kJ/m ²
Elongation at Break	23°C, Type 2 Speed D	ISO 527	>1000	%
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.