RIGIDEX® HD5450UA

Product Technical Information

High density polyethylene copolymer

RIGIDEX® HD5450UA is an ultra-violet light stabilised high density polyethylene copolymer grade. It has been specially developed for injection moulding of heavy duty articles for outdoor use.

Benefits & Features

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

Applications

- Large dustbins and pails
- Pallet boxes

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	4.7	g/10min
Physical				
Density ISO 17855-1	23°C	ISO 1183-1	953.5	kg/m³
Mechanical*				
Tensile Modulus	23°C	ISO 527	1000	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	26	MPa
Impact Strength, Charpy		ISO 180/A	5	kJ/m²
Data should not be used for specification work				

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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.

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