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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.

Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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