

Rigidex® HD5450UA

High Density Polyethylene Copolymer

INEOS Olefins & Polymers Europe

Message:

Rigidex® HD5450UA 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

General Information			
Additive	UV Stabilizer		
Features	Copolymer		
	Good Processability		
	Good UV Resistance		
	Good Weather Resistance		
	High Density		
	High Impact Resistance		
	High Rigidity		
	Low Temperature Impact Resistance		
	Narrow Molecular Weight Distribution		
Uses	Outdoor Applications		
	Pails		
	Pallets		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm³	ISO 1183, ISO 1872
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.7	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1100	MPa	ISO 527-2
Tensile Stress (Yield)	26.0	MPa	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m²	ISO 179/A

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

