

# Rigidex® HD5760UA

High Density Polyethylene Copolymer

INEOS Olefins & Polymers Europe

## Message:

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

General Information			
Additive	UV stabilizer		
Features	Rigidity, high		
	High density		
	Copolymer		
	Impact resistance, high		
	Good UV resistance		
	Workability, good		
	Low temperature impact resistance		
	Good weather resistance		
	Narrow molecular weight distribution		
	Uses	Outdoor application	
Barrel			
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.957	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1300	MPa	ISO 527-2
Tensile Stress (Yield)	28.5	MPa	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	4.5	kJ/m²	ISO 180/A

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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

