

Rigidex® HD5211EA

High Density Polyethylene Copolymer

INEOS Olefins & Polymers Europe

Message:

Rigidex® HD5211EA is a high density polyethylene copolymer with a narrow molecular weight distribution, suitable for a wide range of injection and compression moulding applications.

General Information			
Features	Low warpage		
	Copolymer		
	Impact resistance, good		
	Workability, good		
	Narrow molecular weight distribution		
Uses	Shield		
	Household goods		
	Barrel		
	Shell		
	Toys		
	Printing machine parts		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Compression molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.951	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	11	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (23°C)	60.0	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ISO 527-2/1B
Tensile Stress (Yield)	26.0	MPa	ISO 527-2/1B
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m ²	ISO 179
Additional Information			

The value listed as Density ISO 1183, was tested in accordance with ISO 1872.

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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

