

Technical Data

Product Description

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

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• INEOS Olefins & Polymers Europe		
Availability	• Europe		
Features	• Copolymer • Good Impact Resistance	• Good Processability • Low Warpage	• Narrow Molecular Weight Distribution
Uses	• Caps • Closures	• Household Goods • Pails	• Printer Parts • Toys
RoHS Compliance	• Contact Manufacturer		
Forms	• Pellets		
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.

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.



Where to Buy

Supplier

INEOS Olefins & Polymers Europe

, Belgium

Telephone: +32-2264-3808

Web: <http://www.ineospolyolefins.com/>

Distributor

Biesterfeld Plastic GmbH

Biesterfeld Plastic GmbH is a Pan European distribution company. Contact Biesterfeld Plastic GmbH for availability of individual products by country.

Telephone: +49-40-32008-0

Web: <http://www.biesterfeld-plastic.com/>

Availability: Algeria, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Egypt, France, Germany, Hungary, Italy, Libyan Arab Jamahiriya, Luxembourg, Mauritania, Morocco, Netherlands, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland

GAZECHIM PLASTIQUES

GAZECHIM PLASTIQUES is a Pan European distribution company. Contact GAZECHIM PLASTIQUES for availability of individual products by country.

Telephone: +33-4-67-49-55-37

Web: <http://www.gazechim.com/>

Availability: France

