

Rigidex® HD5050EA

High Density Polyethylene Copolymer

INEOS Olefins & Polymers Europe

Message:

Rigidex® HD5050EA is a high density polyethylene copolymer grade with a narrow molecular weight distribution, specially developed for injection and compression moulding applications requiring high environmental stress cracking resistance.

General Information	
Features	Copolymer High ESCR (Stress Crack Resist.) High Impact Resistance Low Warpage Narrow Molecular Weight Distribution
Uses	Caps Closures Crates Engineering Parts Household Goods Molds/Dies/Tools
RoHS Compliance	Contact Manufacturer
Forms	Pellets
Processing Method	Compression Molding Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ISO 1872
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (23°C)	170	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ISO 527-2/1B
Tensile Stress (Yield, 23°C)	25.0	MPa	ISO 527-2/1B
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.5	kJ/m ²	ISO 179

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.

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

