



Rigidex® HD5130EA

Product Technical Information

Rigidex® HD5130EA is a high density polyethylene copolymer grade with a narrow molecular weight distribution, specially developed for injection and compression moulding applications requiring very high environmental stress cracking resistance.

Typical applications

- Caps & closures – non beverages such as chemicals, detergents, eau de javel
- Technical parts
- Bins

Benefits and Features

- Very high environmental stress cracking resistance
- Very high impact strength
- Low warpage
- Slip agent free grade

Properties		Test Methods	Values	Units
Physical				
Density		ISO 1872	952	kg/m ³
Melt Flow Rate	2.16 kg load	ISO 1133	2.4	g/10min
Mechanical				
Tensile Modulus		ISO 527 -1&2 (1B)	1200	MPa
Tensile Strength	@ Yield	ISO 527 -1&2 (1B)	27	MPa
Charpy Impact Strength, 23°C		ISO 179	8.0	kJ/m ²
Environmental Stress Cracking Resistance (ESCR)		ASTM 1693, 23°C	250	h

The values given are typical values measured on the product. These values should not be considered as specification