



Rigidex® HD5211EA

Product Technical Information

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.

Typical applications

- Caps & closures – non beverages
- Beverage over-caps
- Household
- Toys
- Pails
- Cartridges

Benefits and Features

- Easy processing
- Good impact strength
- Low warpage
- Slip agent free grade

Properties		Test Methods	Values	Units
Physical				
Density		ISO 1872	951	kg/m ³
Melt Flow Rate	2.16 kg load	ISO 1133	11	g/10min
Mechanical				
Tensile Modulus		ISO 527 -1&2 (1B)	1100	MPa
Tensile Strength	@ Yield	ISO 527 -1&2 (1B)	26	MPa
Charpy Impact Strength, 23°C		ISO 179	3.5	kJ/m ²
Environmental Stress Cracking Resistance (ESCR)		ASTM 1693, 23°C	60	h

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