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

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Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to psnohreg@innovene.com. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Material Safety Data Sheet (MSDS) that may be obtained from the website http//techservice.innovene.com. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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