



Rigidex® HD5502S

Product Technical Information

Rigidex® HD5502S is a medium molecular weight copolymer grade supplied in pellet form which has an optimum balance of properties for use in a wide range of blow moulding and extrusion applications including bottles.

Typical applications

- Blow moulded containers up to 30 litres capacity for packaging chemicals, many household products, oils and foodstuffs
- Sheet
- Extruded net

Benefits and Features

- Easy processing
- Good rigidity
- Good environmental stress cracking resistance
- Good impact strength

Properties		Test Methods	Values	Units
Physical				
Density		ISO 1872	954	kg/m ³
Melt Flow Rate	2.16 kg load	ISO 1133	0.2	g/10min
Mechanical				
Tensile Strength @ yield (23°C, Type 2 Speed D)		ISO 527	26	kg/m ³
Elongation @ break (23°C, Type 2 Speed D)		ISO 527	>300	%
Flexural Modulus (23°C @ 100 mm/min)		ISO 178	1050	MPa
Charpy Impact Strength		ISO 179	12	kJ/m ²
BTT stress crack resistance (F50 @ 50°C, 100% concentration)		ASTM D 1683	50	hours
Bottle stress crack resistance		Internal method	6	hours

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 www.ineospolyolefins.com. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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