# Rigidex® HD5218EA

### High Density Polyethylene Copolymer

#### **INEOS Olefins & Polymers Europe**

#### Message:

Rigidex® HD5218EA is a high density polyethylene copolymer with a narrow molecular weight distribution, suitable for thin wall injection moulding and fast cycling applications. Typical applications Caps & closures - non beverages Beverage over-caps Thin-walled containers Benefits and Features High flow Low warpage Slip agent free grade

General Information			
Features	Copolymer		
	Fast Molding Cycle		
	High Density		
	High Flow		
	Low Warpage		
	Narrow Molecular Weight Distribution		
Uses	Caps		
	Closures		
	Thin-walled Containers		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm³	ISO 1872
Melt Mass-Flow Rate (MFR) (190°C/2.16			
kg)	18	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (23°C)	10.0	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1200	MPa	ISO 527-2/1B
Tensile Stress (Yield)	26.0	MPa	ISO 527-2/1B
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	3.0	kJ/m²	ISO 179

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