

# Qenos PE HD2090

High Density Polyethylene

Qenos Pty Ltd

## Message:

HD2090 is a high flow injection moulding grade of High Density Polyethylene.  
HD2090 is intended for the production of housewares and thin-walled containers. Suitability for use in any application should be determined by appropriate performance testing.  
HD2090 is suitable for food contact applications and conforms to the requirements of the United States Food and Drug Administration CFR 21 177.1520, paragraph (c) item 3.1.

General Information			
Features	Food Contact Acceptable		
	High Flow		
Uses	Containers		
	Household Goods		
	Thin-walled Containers		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.956	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	48.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.0	MPa	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-30°C)	31	J/m	ASTM D256A

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