

## DESCRIPTION

Alkatane HD2090 is a high flow injection moulding grade of High Density Polyethylene.

## APPLICATION

Alkatane HD2090 is intended for the production of housewares, closures and thin-walled containers. Suitability for use in any application should be determined by appropriate performance testing.

## FOOD CONTACT / PRODUCT SAFETY

For food contact information please refer to the Regulatory Data Sheet at [genos.com](http://genos.com). For product safety information please refer to the Safety Data Sheet at [genos.com](http://genos.com).

Polymer Properties	Value <sup>1</sup>	Units	Test Method
Melt Index @ 190°C, 2.16 kg	20	g/10 min	ASTM D1238
Density	0.956	g/cm <sup>3</sup>	ASTM D1505

Moulding Properties	Value <sup>1</sup>	Units	Test Method
Tensile Strength at Yield <sup>2</sup>	30	MPa	ASTM D638
Durometer Hardness	63	Shore D	ASTM D2240
Flexural Modulus (1% Secant) <sup>3</sup>	1350	MPa	ASTM D790B
Izod Impact Strength @ -30°C	31	J/m	ASTM D256 Method A
ESCR- 10% Igepal (F <sub>50</sub> )	<10	hrs	ASTM D1693 Condition B

1. Typical values - not to be construed as specifications.
2. At 50 mm/min cross head speed, type 4 dumbbell and 1.9 mm thickness.
3. At 12.7 mm/min cross head speed.

For up to date information, refer to [genos.com](http://genos.com)

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