

## DESCRIPTION

Alkatane HD0390 is an injection moulding grade of High Density Polyethylene combining excellent impact resistance with high density, hardness and stiffness.

## APPLICATION

Alkatane HD0390 is intended for use in the production of stackable transport, storage and bottle crates and industrial mouldings such as mobile garbage bins demanding very good mechanical properties. Addition of a UV stabiliser should be considered where the intended application involves intermittent to extended exposure to sunlight. 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	4.0	g/10 min	ASTM D1238
Melt Index @ 190°C, 5.0 kg	13.0	g/10 min	ASTM D1238
Density	0.955	g/cm <sup>3</sup>	ASTM D1505

Moulding Properties	Value <sup>1</sup>	Units	Test Method
Tensile Strength at Yield <sup>2</sup>	29	MPa	ASTM D638
Durometer Hardness	62	Shore D	ASTM D2240
Flexural Modulus (1% Secant) <sup>3</sup>	1300	MPa	ASTM D790B
Izod Impact Strength @ -30°C	36	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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