

## DESCRIPTION

Alkatane GM7655 is a high molecular weight extrusion blow moulding grade of High Density Polyethylene with extremely good ESCR.

## APPLICATION

Alkatane GM7655 is designed primarily for extrusion blow moulding of small to medium sized containers, where a very high level of ESCR is required. 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	0.09	g/10 min	ASTM D1238
Melt Index @ 190°C, 5.0 kg	0.6	g/10 min	ASTM D1238
Melt Index @ 190°C, 21.6 kg	16	g/10 min	ASTM D1238
Density	0.954	g/cm <sup>3</sup>	ASTM D1505

Moulding Properties	Value <sup>1</sup>	Units	Test Method
Tensile Strength at Yield <sup>2</sup>	25	MPa	ASTM D638
Elongation at Break <sup>2</sup>	900	%	ASTM D638
Flexural Modulus (1% Secant) <sup>3</sup>	1100	MPa	ASTM D790B
Izod Impact Strength @ -30°C	150	J/m	ASTM D256 Method A
Durometer Hardness	63	Shore D	ASTM D2240
ESCR- 10% Igepal (F <sub>50</sub> )	>1000	hrs	ASTM D1693 Condition B
ESCR- 100% Igepal (F <sub>50</sub> )	>1000	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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