

DESCRIPTION

Alkatane HD6400 is a high density polyethylene resin specifically designed for use in high speed reciprocating extrusion blow moulders providing short cycle times for optimum production efficiency. It has high stiffness to enable the production of light weight food containers featuring excellent organoleptic performance.

APPLICATION

Alkatane HD6400 is primarily intended for the manufacture of milk bottles, cream containers and juice bottles.

FOOD CONTACT / PRODUCT SAFETY

For food contact information please refer to the Regulatory Data Sheet at genos.com. For product safety information please refer to the Safety Data Sheet at genos.com.

Polymer Properties	Value ¹	Units	Test Method
Melt Index @ 190°C, 2.16 kg	0.70	g/10 min	ASTM D1238
Melt Index @ 190°C, 21.6 kg	56	g/10 min	ASTM D1238
Density	0.965	g/cm ³	ASTM D1505

Moulding Properties	Value ¹	Units	Test Method
Tensile Strength at Yield ²	31	MPa	ASTM D638
Elongation at Break ²	1370	%	ASTM D638
Flexural Modulus (1% Secant) ³	1510	MPa	ASTM D790B

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

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