

DESCRIPTION

Alkatane HD3690 is a high flow injection moulding grade of High Density Polyethylene.

APPLICATION

Alkatane HD3690 is intended for use in the production of thin-walled injection mouldings. 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. 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	36	g/10 min	ASTM D1238
Density	0.956	g/cm ³	ASTM D1505

Moulding Properties	Value ¹	Units	Test Method
Tensile Strength at Yield ²	31	MPa	ASTM D638
Durometer Hardness	64	Shore D	ASTM D2240
Flexural Modulus (1% Secant) ³	1350	MPa	ASTM D790B
Izod Impact Strength @ -30°C	30	J/m	ASTM D256 Method A
ESCR- 10% Igepal (F ₅₀)	<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

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