

DESCRIPTION

Alkatane GF7660 is a medium molecular weight extrusion blow moulding grade of High Density Polyethylene. This grade exhibits good ESCR and good toughness.

APPLICATION

Alkatane GF7660 is designed primarily for extrusion blow moulding of small to medium sized containers. Typical applications include detergent and pharmaceutical bottles. 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	0.3	g/10 min	ASTM D1238
Melt Index @ 190°C, 5.0 kg	1.5	g/10 min	ASTM D1238
Melt Index @ 190°C, 21.6 kg	36	g/10 min	ASTM D1238
Density	0.959	g/cm ³	ASTM D1505

Moulding Properties	Value ¹	Units	Test Method
Tensile Strength at Yield ²	29	MPa	ASTM D638
Elongation at Break ²	900	%	ASTM D638
Flexural Modulus (1% Secant) ³	1350	MPa	ASTM D790B
Izod Impact Strength @ -30°C	83	J/m	ASTM D256 Method A
Durometer Hardness	65	Shore D	ASTM D2240
ESCR- 10% Igepal (F ₅₀)	260	hrs	ASTM D1693 Condition B
ESCR- 100% Igepal (F ₅₀)	>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

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