

DESCRIPTION

Alkatane GM4755F is a high molecular weight High Density Polyethylene grade with high toughness and stiffness.

APPLICATION

Film Extrusion: Alkatane GM4755F is designed for liners and carry bags where high impact, toughness and stiffness are required. It is also suitable for heavy duty films, where it may be blended with LLDPE or LDPE to enhance stiffness and yield strength while retaining toughness.

FOOD CONTACT / PRODUCT SAFETY

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

Polymer Properties	Value ¹	Units	Test Method
Melt Index @ 190°C, 2.16 kg	0.1	g/10 min	ASTM D1238
Density	0.955	g/cm ³	ASTM D1505/D2839

Film Properties ²		Value ¹	Units	Test Method
Dart Drop Impact (F ₅₀)		200	g	ASTM D1709
Tear Strength	MD TD	0.20 0.44	N N	ASTM D1922
Tensile Strength at Yield ³	MD TD	27 26	MPa MPa	ASTM D882
Tensile Strength at Break ³	MD TD	50 43	MPa MPa	ASTM D882
Elongation at Break ³	MD TD	570 540	% %	ASTM D882
2% Secant Modulus ⁴	MD TD	710 700	MPa MPa	ASTM D882

1. Typical values - not to be construed as specifications.
2. Mechanical film properties have been measured on 18µm gauge film extruded on Qenos Kiefel line (4:1 blow-up ratio, 650mm neck height, 100mm/1.0mm die diameter/gap).
3. At 50 mm/min cross head speed.
4. At 20 mm/min cross head speed.

For up to date information, refer to qenos.com

This information is offered solely for your consideration, investigation, verification and shall not be construed as a warranty or representation for which Qenos Pty Ltd assumes legal liability, except to the extent that such liability is imposed by legislation and cannot be excluded. Values quoted are the result of tests on representative samples, and the product supplied may not conform in all respects. Qenos Pty Ltd reserves the right to make any improvements or amendments to the composition of any grade or product without alteration to the code number. In using Qenos Pty Ltd's products, you must establish for yourself the most suitable formulation, production method and control tests, to ensure the uniformity and quality of your product in compliance with all laws. Qenos Pty Ltd ACN 054 196 771 is the registered user of the Qenos Logo which is registered trademark of Qenos Pty Ltd. "Alkatane" is a trademark of Qenos Pty Ltd.