

## Technical Data Sheet

### *Petrothene* GA503026



Linear Low Density Polyethylene

#### Product Description

The *Petrothene* GA503 series of products are pelletized medium density butene copolymer LLDPE resins with high draw. GA503 resins are typically selected by customers for stiff, thin blown films. The GA503 series contains an additive package to minimize discoloration and die build-up. GA503026 is formulated without TNPP.

**Application** Bags & Pouches; Film Wrap; Food Packaging Film; Lamination Film; Zipper Packaging

**Market** Flexible Packaging

**Processing Method** Blown Film; Cast Film; Sheet and Profile Extrusion

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
<b>Physical</b>					
Melt Flow Rate, (190 °C/2.16 kg)	3.5	g/10 min	3.5	g/10 min	ASTM D1238
Base Resin Density, (23 °C)	0.925	g/cm <sup>3</sup>	0.925	g/cm <sup>3</sup>	ASTM D1505
Product Density, (23 °C)	0.926	g/cm <sup>3</sup>	0.926	g/cm <sup>3</sup>	ASTM D1505
<b>Film</b>					
Dart Drop Impact Strength, F50	110	g	110	g	ASTM D1709
Tensile Strength at Break					
MD	4800	psi	33.1	MPa	ASTM D882
TD	3400	psi	23.4	MPa	ASTM D882
Tensile Elongation at Break					
MD	690	%	690	%	ASTM D882
TD	740	%	740	%	ASTM D882
1% Secant Modulus					
MD	44500	psi	307	MPa	ASTM D882
TD	45500	psi	314	MPa	ASTM D882
Elmendorf Tear Strength					
MD	100	g	100	g	ASTM D1922
TD	215	g	215	g	ASTM D1922
<b>Optical</b>					
Haze	30	%	30	%	ASTM D1003
Gloss	25		25		ASTM D2457
<b>Additive</b>					
Slip	800	ppm	800	ppm	LYB Method
Antiblock	1300	ppm	1300	ppm	LYB Method
Polymer Processing Aid	None		None		LYB Method