

Technical Data Sheet

Petrothene GA616050



Linear Low Density Polyethylene

Product Description

Petrothene GA616050 is a linear low density polyethylene resin selected by customers for dry blending with low density polyethylene coating resins to produce linear low extrusion coatings. GA615050 is formulated without TNPP.

Application	Bags & Pouches; Colour Concentrates; Food Packaging Film; Lamination Film; Sealants; Wire & Cable
Market	Compounding; Flexible Packaging; Wire & Cable
Processing Method	Compounding; Extrusion Coating; Wire & Cable

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	6.2	g/10 min	6.2	g/10 min	ASTM D1238
Density, (23 °C)	0.918	g/cm ³	0.918	g/cm ³	ASTM D1505
Mechanical					
Flexural Modulus	50000	psi	345	MPa	ASTM D790
Tensile Strength	1700	psi	11.7	MPa	ASTM D638
Tensile Elongation at Break	870	%	870	%	ASTM D638
Hardness					
Shore Hardness, (Shore D)	56		56		ASTM D2240
Thermal					
Vicat Softening Temperature	198	°F	92	°C	ASTM D1525