

Aclo Accucomp Polyethylene LD0109L Low Density

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aclo-Accucomp-Polyethylene-LD0109L-Low-Density.php

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.016 cm/cm	0.016 in/in	MD; ASTM D955
Melt Flow	50 g/10 min	50 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	40	40	ASTM D785
Tensile Strength at Break	8.00 MPa	1160 psi	ASTM D638
Tensile Strength, Yield	10.0 MPa	1450 psi	ASTM D638
Elongation at Break	112 %	112 %	ASTM D638
Elongation at Yield	27 %	27 %	ASTM D638
Tensile Modulus	0.320 GPa	46.4 ksi	ASTM D638
Flexural Strength	9.03 MPa	1310 psi	ASTM D790
Flexural Modulus	0.300 GPa	43.5 ksi	ASTM D790
Izod Impact, Notched	NB	NB	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	45.0 °C	113 °F	ASTM D648

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