

AMERICOLENE® LL200024

AMERICOLENE

Linear Low Density Polyethylene

Product Description

AMERICOLENE® LL200024 exhibits good stiffness and low temperature toughness. Typical applications include trash cans, industrial containers, housewares and toys.

Regulatory Status

For regulatory compliance information, see AMERICOLENE® LL200024 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Application	Housewares; Outdoor and Power Tools; Sports, Leisure & Toys; Trash Cans; Wire & Cable
Market	Compounding; Rigid Packaging; Wire & Cable
Processing Method	Compounding; Injection Molding; Wire & Cable

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	20	g/10 min	20	g/10 min	ASTM D1238
Density, (23 °C)	0.924	g/cm ³	0.924	g/cm ³	ASTM D1505
Spiral Flow	12.6	in	32.1	cm	LYB Method
Mechanical					
Flexural Modulus					
(1% Secant)	63000	psi	440	MPa	ASTM D790
(2% Secant)	55000	psi	380	MPa	ASTM D790
Tensile Strength at Break, (23 °C)	1200	psi	8	MPa	ASTM D638
Tensile Strength at Yield, (23 °C)	2100	psi	14	MPa	ASTM D638
Tensile Elongation at Yield, (23 °C)	12	%	12	%	ASTM D638
Hardness					
Shore Hardness, (Shore D)	57		57		ASTM D2240
Thermal					
Vicat Softening Temperature	196	°F	91	°C	ASTM D1525
Low Temperature Brittleness, F5o	<-105	°F	<-76	°C	ASTM D746
Deflection Temperature Under Load, (66 psi, Unannealed)	113	°F	45	°C	ASTM D648

Any inquiries regarding this data sheet should be addressed to: 11824 Jollyville Rd Austin, TX 78759 · Phone (800) 729 5417 · Fax: (512) 992 0225

The information and recommendation in this publication are, to the best of knowledge, reliable. Suggestions concerning uses are only the opinion of AMERICORP INTERNATIONAL LTD, U.S.A. and users should perform their own tests to determine the suitability of this products for their own particular purposes. However, because of the numerous factors affecting the results, AMERICORP INTERNATIONAL LTD, U.S.A. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSES, other than that the material conforms to the applicable current standard specifications statement herein, therefor, should not be construed as representations or warranties. The responsibility of AMERICORP INTERNATIONAL LTD, U.S.A. for claims arising out of breach warranty, negligence, and strict liability or otherwise is limited to the purchase price of the material. Statement concerning the use of the products of AmeriCorp described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed