

AMERICOLENE® PPR01A-00

AMERICOLENE

Polypropylene Random Copolymer

AMERICOLENE® PPR01A-00 is a low flow rate, antistatic polypropylene random copolymer. It is designed for blow molding, thermoforming and extrusion applications that require good stiffness and improved processability. Benefits of this grade include good see-through and contact clarity and good impact resistance at both room and refrigerator temperatures. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Typical Properties

	Values English Units	Values SI Units	ASTM Method
Resin			
Density	-	0.900 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	-	1.9 g/10 min	D1238
Injection Molded Sample			
Tensile Strength (2 in/min)			D638
@ Yield	4,070 psi	28.0 MPa	
@ Break	3,180 psi	22.0 MPa	
Elongation (2 in/min)			D638
@ Yield	-	13%	
@ Break	-	675%	
Flexural Modulus			D790A
1% Secant	143,000 psi	985 MPa	
Notched Izod Impact Strength			D256
@ 23 C	1.6 ft-lbf/in	8.3 kJ/m ²	
@ 4 C	0.7 ft-lbf/in	3.6 kJ/m ²	
Hardness			D785
Rockwell R	-	76	
Vicat Softening Point	271 F	133 C	D1525
Deflection Temperature			D648
@ 66 psi (455 kPa)	176 F	80 C	
Haze, @ 23°C, 50-mil (1.3mm) plaque			D1003
% Diffuse Transmittance	-	57%	
Gloss at 60° angle	-	93	D2457

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