

AMERICOLENE® HF950-08



High Density Polyethylene Copolymer (HDPE-HMW)

Americolene® APC950-08 is a generic, prime, bimodal high molecular weight high density polyethylene copolymer designed for thin gauge blown film applications where good processability, high stiffness and excellent strength are required such as:

Grocery sacks, T-Shirt bags Institutional/Industrial Can Liners Roll Stock
 Produce Bags Heavy Duty Bags Deli Wrap...

Americolene® APC950-08 meets the requirements of the U.S. Food and Drug Administration of 21 CFR 177.1520 covering the safe use of articles intended for use in food contact applications.1

Nominal Physical Properties:

PROPERTY	ASTM TEST METHOD	UNIT	VALUE
Typical Resin Properties for HF950-08:			
Melt Index 190 °C/ 5.0 KG	D1238	g/10 min.	0.08
Melt Index 190C/ 21.6 KG	D1238	g/10 min.	9.0
Density	D4883	g/cc	0.951
Compression Molded Sample			
Vicat Softening Point	D1525	124 °C	255 °F
Environmental Stress Crack Resistance	D1693		
Condition B, 100% Igepal, F50 (hrs.)		> 1,500	>1500
Film³			
Dart Drop Impact Strength, F50	D1709	350 g	-
Elmendorf Tear Strength MD	D1922	18 g	-
Elmendorf Tear Strength TD	D1922	180 g	-
Tensile Strength @ Yield MD	D882	34.5 MPa	5,000 psi
Tensile Strength @ Yield TD	D882	31.0 MPa	4,500 psi
Tensile Strength @ Break MD	D882	69.0 MPa	10,000 psi
Tensile Strength @ Break TD	D882	62.0 MPa	9,000 psi
Elongation @ Break MD	D882	300 %	300 %
Elongation @ Break TD	D882	500 %	500 %
Secant Modulus (2%) MD	D882	930 MPa	135,000 psi
Secant Modulus (2%) TD	D882	1035 MPa	150,000 psi

* MD / TD

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