

HW50-001

High Density Polyethylene

HW50-001 is a High Molecular Weight Hexene Copolymer certified prime resin developed for blown films. **HW50-001** features UNIMODAL molecular weight distribution for improved processability at lower extruder pressure and good film stiffness. **HW50-001** can be used alone or in BLENDS with LLDPE blown film grades and/or HMW-HDPE. **HW50-001** can be used in a broad range of applications blended from 10% to 50% with either HMW-HDPE and/or LLDPE. **HW50-001** can be processed on HMW, high stalk film equipment with a die gap >0.75 to 1.25< mm.. Recommended processing temperatures 195 to 205°C. **HW50-001** complies with FDR regulation 21CFR 177.1520 (c) 3.1 (a) + 3.2 (a) and with most international regulations concerning the use of Polyethylene in contact with food articles.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES	
Melt Flow Rate (190 °C, 2.16kg)	D1238	g/10 min	<0.10	
Density	D1505	g/cm ³	0.950	
Dart Drop Impact (F50, 0.47 mil)	D1709A	g	200	
Film Thickness		mil	0.47	
FILM			MD VALUES	TD VALUES
Tensile Strength @ Break	D882	psi	8850	3920
Tensile Strength @ Yield	D882	psi	3770	2030
Elmendorf Tear Strength	D1922	g	15	25
Tensile Elongation @ Break	D882	%	300	410



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