ADVANCENE™ bEE-4909-AAH

High Density (HMW) Polyethylene

ETHYDCO

Message:

ADVANCENE™ bEE-4909-AAH is a bimodal high molecular weight high density ethylene-hexene copolymer, produced using Advanced Gas phase PE Process in a single reactor. Its high molecular weight, bimodal molecular weight distribution and optimum density results in films with high strength, high rigidity and excellent processability. Tubular films of ADVANCENE™ bEE-4909-AAH resin are recommended for high strength grocery sacks, shopping bags and other thin film applications. The combination of strength, toughness and drawdown makes this resin ideal for downgauging in many applications. Films are readily treated and printed to give high-quality graphics. ADVANCENE™ bEE-4909-AAH resin is compatible with color concentrates, thus permitting the production of a variety of colored films that serve as protective and attractive decorative wraps.
Main Charactenstlcs:
Hexene High Density Resin.
Bimodal Molecular weight distribution.
High film strength.
Excellent processability and drawdown.

General Information			
Features	Excellent Processability		
	Good Printability		
	Rigidity, high		
	High molecular weight		
	High density		
	High strength		
	Copolymer		
	hexene comonomer		
	Recyclable materials		
	Good stripping		
	Good coloring		
	Good toughness		
	Bimodal molecular weight distribution		
Uses	Films		
	Bags		
Processing Method	Film extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.949	g/cm^3	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	9.0	g/10 min	ASTM D1238, ISO 1133
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	13	µm	
Film Puncture Energy [1]	0.940	J	
Tensile Strength			ASTM D882
MD: Yield, 13 µm	32.0	MPa	ASTM D882

TD: Yield, 13 µm	30.0	MPa	ASTM D882
MD: Broken, 13 µm	71.0	MPa	ASTM D882
TD: Broken, 13 µm	68.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 13 µm	350	%	ASTM D882
TD: Broken, 13 µm	350	%	ASTM D882
Dart Drop Impact (13 µm)	260	g	ASTM D1709A, ISO 7765-1
Elmendorf Tear Strength			ASTM D1922
MD : 13 µm [2]	11	g	ASTM D1922
TD : 13 µm	24	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	130	°C	ASTM D3418, ISO 3146
Extrusion	Nominal Value	Unit	
Melt Temperature	200 - 215	°C	
NOTE			
1.	Univation Method		
2.	Method B		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT