HANWHA EVA 2030

Ethylene Vinyl Acetate Copolymer

Hanwha Chemical

Message:

HANWHA EVA 2030 is manufactured by DOW tubular high pressure process and designed for variety of film application such as multiplayer agricultural film. EVA 2030 has well balanced property of high clarity, mechanical property and processability.

General Information	
Additive	Anti-caking agent Antioxidation slip agent
Features	smoothness Anti-caking property Antioxidation Workability, good Definition, high
Uses	Films Agricultural application
Agency Ratings	FDA 21 CFR 177.1350(a)(1)
Forms	Particle
Processing Method	Film extrusion Blow film

Physical	Nominal Value	Unit	Test Method
Density	0.927	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Vinyl Acetate Content	6.5	wt%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	18.6	MPa	ASTM D638
Tensile Elongation (Break)	740	%	ASTM D638
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	60	µm	
Tensile Strength			ASTM D882
MD: Break, 60 µm	25.5	MPa	ASTM D882
TD: Break, 60 µm	23.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 60 µm	350	%	ASTM D882

TD: Break, 60 µm	650	%	ASTM D882
Dart Drop Impact (60 µm)	> 400	g	ASTM D1709
Tensile Tear Strength			ASTM D1004
MD : 60.0 µm	83.4	kN/m	ASTM D1004
TD : 60.0 µm	88.3	kN/m	ASTM D1004
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	83.0	°C	ASTM D1525
Peak Melting Temperature	101	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Haze (60.0 µm)	4.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	140 - 180	°C	
Extrusion instructions			

Blow-up Ratio: 2 to 3Optimum Gage Range: 0.05 to 0.1 mm

Recommended distributors for this material

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