EQUATE PE EGDA-6888

High Density Polyethylene Copolymer

EQUATE Petrochemical Company KSCC

Message:

EGDA-6888 is a high molecular weight, high density polyethylene copolymer that has been designed specifically for tubular film extrusion. Its broad molecular weight distribution and density have been optimized to give excellent bubble stability at high extrusion rates with high film strength and rigidity. The combination of high strength and excellent drawdownability makes EGDA-6888 ideal for down gauging in many applications.
Tubular films produced from EGDA-6888 are recommended for high strength grocery sacks, shopping bags, produce bags and high quality thin films for multiwall sack liners and replacements for thin paper products. Films are nearly gel-free and have excellent treatability.
They are ideally suited for printing of high quality graphics.

General Information	
Features	Copolymer Excellent Printability Food Contact Acceptable Good Drawdown Good Stability High Density High Molecular Weight High Rigidity High Strength Wide Molecular Weight Distribution
Uses	Bags Film Liners
Agency Ratings	EU 90/128/EEC FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Blown Film Film Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.952	g/cm³	ASTM D792
Bulk Density	560	kg/m³	ASTM D1895
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	10	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	15	µm	
Secant Modulus			ASTM D882

1% Secant, MD : 15 µm, Blown Film	1220	MPa	
1% Secant, TD : 15 µm, Blown Film	1470	MPa	
Tensile Strength			ASTM D882
MD : Break, 15 µm,Blown Film	60.0	MPa	
TD : Break, 15 µm,Blown Film	57.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 15 µm,Blown Film	380	%	
TD : Break, 15 µm,Blown Film	550	%	
Dart Drop Impact (15 µm, Blown Film)	170	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 15.0 µm	70.0	kN/m	
TD : 15.0 µm	150.0	kN/m	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	131	°C	Internal Method
Extrusion	Nominal Value	Unit	
Melt Temperature	215	°C	

Recommended distributors for this material

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