EQUATE PE EGDA-6888

High Density Polyethylene Copolymer

EQUATE Petrochemical Company KSCC

PROSPECTOR®

www.ulprospector.com

Technical Data

Product Description

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

Material Status	• Commercial: Active		
Literature [1]	• Technical Datasheet (English)		
Availability	• Africa & Middle East	• Asia Pacific	• Europe
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

Notes

[1] These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

[2] Typical properties: these are not to be construed as specifications.

UL and the UL logo are trademarks of UL LLC © 2014. All Rights Reserved.
UL Prospector | 800-788-4668 or 307-742-9227 | www.ulprospector.com.

The information presented on this datasheet was acquired by UL IDES from the producer of the material. UL IDES makes substantial efforts to assure the accuracy of this data. However, UL IDES assumes no responsibility for the data values and strongly encourages that upon final material selection, data points are validated with the material supplier.

Document Created: Saturday, April 12, 2014
Added to Prospector: October, 2008
Last Updated: 2/24/2014

Where to Buy

Supplier

EQUATE Petrochemical Company KSCC
, Kuwait
Telephone: (+965) 434-3666
Web: http://www.equate.com/

Distributor

RESINEX Group
RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.
Telephone: +32-14-672511
Web: http://www.resinex.com/
Availability: Europe

UL and the UL logo are trademarks of UL LLC © 2014. All Rights Reserved.
UL Prospector | 800-788-4668 or 307-742-9227 | www.ulprospector.com.

The information presented on this datasheet was acquired by UL IDES from the producer of the material. UL IDES makes substantial efforts to assure the accuracy of this data. However, UL IDES assumes no responsibility for the data values and strongly encourages that upon final material selection, data points are validated with the material supplier.

Document Created: Saturday, April 12, 2014
Added to Prospector: October, 2008
Last Updated: 2/24/2014

PROSPECTOR®

Founded in 1986 and based in Laramie, Wyoming, IDES is now part of the UL family of companies. UL is a premier global independent safety science company with more than a century of proven history. Employing nearly 10,000 professionals in over 100 countries, UL has five distinct business units -- Product Safety, Environment, Life & Health, Knowledge Services and Verification Services -- to meet the expanding needs of our customers and to deliver on our public safety mission.

Prospector Plastics Database - www.ulprospector.com

Prospector is a searchable online database that includes 85,000 data sheets from 875 manufacturers and 44,000 UL yellow cards. Each data sheet includes property, processing and supplier contact information. Prospector is relied on by nearly 400,000 design engineers and plastics processors. Using Prospector, they save time with plastic material selection by quickly and easily referencing technical information critical to the success of their products.

"Prospector is absolutely the best and most well-known search engine for plastic raw materials in the world. We use Prospector every day – it's a real time saver!"
– Birgit Elvardt Bader, Production Manager, Micotron

Power Searches

- Property Search – select plastics by 500 key properties and design parameters.
- Alternative Resins Search – find replacement plastics within minutes.
- Automotive Plastics Search – easily locate automotive approved plastics.
- Curve Data – view, overlay and export curve data.

Material Data Management – www.ulprospector.com/datasheets

With our data management services, plastic suppliers and distributors can have custom search interfaces available on their website for their customers, website visitors, sales and customer service teams. These provide intuitive ways to find and view technical data sheets for their products.

"With UL IDES data services, our website now displays the most current information on the products we distribute and links to our backend RFQ and sales order system, adding both value and service for our customers."
– Kevin Chase, Owner & President, Chase Plastics

Advertising – www.ulprospector.com/advertise

Reach 365,000 pre-qualified plastics professionals and generate leads with proven techniques. Electronic newsletter insertions, sponsored webinars and powerful online ads are available to make the most of your lead-generation program.

For more information, call: 800.788.4668 or 307.742.9227 ext. 220

UL and the UL logo are trademarks of UL LLC © 2014.