

Pearlbond™ ECO D590

Thermoplastic Polyurethane Elastomer

Lubrizol Advanced Materials, Inc.

Message:

Type: Pearlbond™ ECO D590 is a linear, aromatic bio- polyurethane, supplied in form of white spherical granules. Based on specialty polyol from renewable sources. Contains 75% of renewable material as certified according to ASTM-D6866.

Special features : High crystallization rate and a very high thermoplasticity level.

APPLICATIONS

Pearlbond™ ECO D590 can be added to formulations of REACTIVE POLYURETHANE HOT-MELTS (HMPUR), in order to improve the crystallization speed.

General Information			
Features	Crystalline		
	Renewable Resource Content		
Uses	Plastics Modification		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Granules		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (170°C/2.16 kg)	30 to 60	g/10 min	ISO 1133
Crystallinity	4.0 to 6.0	min	Internal Method
Moisture Content	< 1500	ppm	Internal Method
OH Value	< 3.00	mg KOH/g	Internal Method
Renewable Content	75	%	ASTM D6866
Thermoplasticity	Very high		Internal Method
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	80.0 to 84.0	°C	Internal Method
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (130°C)	1680	Pa · s	ISO 1133

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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