

## Lubrizol Advanced Materials Pearlbond® ECO D590 Thermoplastic Polyurethane

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polyurethane, TP

### Material Notes:

Pearlbond®,ç ECO D590 is a linear, aromatic bio-polyurethane based on specialty polyol from renewable sources, supplied in form of white spherical granules, with an extremely high crystallization rate and a very high thermoplasticity level. It contains 67% of renewable material as certified according to ASTM-D6866. Application: Pearlbond®,ç ECO D590 can be added to formulations of REACTIVE POLYURETHANE HOT-MELTS (HMPUR), in order to improve the crystallisation speed.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lubrizol-Advanced-Materials-Pearlbond-ECO-D590-Thermoplastic-Polyurethane.php](http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-Pearlbond-ECO-D590-Thermoplastic-Polyurethane.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in <sup>3</sup>	ISO 2781
Viscosity	1.68e+6 cP @Temperature 130 Â°C	1.68e+6 cP @Temperature 266 Â°F	Melt; ISO 1133
Melt Flow	30 - 60 g/10 min @Load 2.16 kg, Temperature 170 Â°C	30 - 60 g/10 min @Load 4.76 lb, Temperature 338 Â°F	ISO 1133

Thermal Properties	Metric	English	Comments
Melting Point	80.0 - 84.0 Â°C	176 - 183 Â°F	MQSA 70 A

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.150 %	<= 0.150 %	MQSA 44

Descriptive Properties	Value	Comments
Crystallization Rate	4-6 minutes	MQSA 12 B
OH Value	< 3 mg/KOH/g	MQSA 47 A
Thermoplasticity	Very High	MQSA 68A

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China