

# Polene LDPE D 2022

Low Density Polyethylene

TPI Polene Public Company Limited

## Message:

Polene LDPE D 2022 is a Low Density Polyethylene material. It is available in Asia Pacific or North America for blown film, extrusion, or film extrusion.

Important attributes of Polene LDPE D 2022 are:

Good Processability

Impact Resistant

Typical applications include:

Packaging

Agricultural

Bottles

Film

Food Contact Applications

General Information			
Features	Additive Free		
	Good Processability		
	High Impact Resistance		
Uses	Agricultural Applications		
	Bottles		
	Cosmetic Packaging		
	Film		
	Food Packaging		
	Packaging		
	Shrink Wrap		
	Tubing		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blown Film		
	Extrusion		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.28	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	12.0	MPa	

Break	19.0	MPa	
Tensile Elongation (Break)	710	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Dart Drop Impact	190	g	ASTM D1709
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	95.0	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss	82		ASTM D2457
Haze	9.5	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 220	°C	

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

