

SureSpec LD20-250

Low Density Polyethylene

Genesis Polymers

Message:

LD20-250 is a certified prime resin designed for Higher Flow INJECTION MOLDING / COMPOUNDING applications requiring good balance of low warpage and mechanical properties. LD20-250 features easy processability over a wide range of molding conditions, good clarity, excellent flexibility, and high surface appearance of molded articles. Recommended processing temperature is 170 to 220°C., with mold at 20 to 40°C.

General Information			
Features	Good Flexibility		
	Good Processability		
	Good Surface Finish		
	High Flow		
	Low Density		
	Low Warpage		
	Medium Clarity		
Uses	Compounding		
Forms	Pellets		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	25	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	11.0	MPa	ASTM D638
Tensile Elongation ² (Break)	100	%	ASTM D638
Flexural Modulus - 1% Secant ³	283	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength ⁴	95.0	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-15.0	°C	ASTM D746
Vicat Softening Temperature	85.0	°C	ASTM D1525
Injection	Nominal Value	Unit	
Processing (Melt) Temp	170 to 220	°C	
Mold Temperature	20.0 to 40.0	°C	
NOTE			
1.	50 mm/min		
2.	50 mm/min		

3.	1.3 mm/min
4.	2.0 in/min

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

