

# DOWLEX™ IP 20

Polyethylene Resin

The Dow Chemical Company

Message:

DOWLEX IP 20 Polyethylene Resin is a Linear Low Density Polyethylene produced at Dow and it is intended for injection molding applications. This resin presents superior properties compared to a Polyethylene of similar melt index and density. Its main characteristics are: high stiffness, good resistance at low temperatures, exceptional gloss and reduced warp in large pieces

Main Applications:

Injection Molded parts

Food ware and house ware

Toys

Boxes and trays

Caps and lids

Carrier resin for compounding (masterbatches)

Complies with:

U.S. FDA 21 CFR 177.1520(c )3.2a

Europe Commission Regulation (EU) No 10/2011

Consult the regulations for complete details.

General Information			
Agency Ratings	EU No 10/2011		
	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.926	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, F50)	8.00	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	15.0	MPa	
Break	9.00	MPa	
Tensile Elongation (Break)	130	%	ASTM D638
Flexural Modulus	528	MPa	ASTM D790
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 230	°C	
Mold Temperature	5.00 to 30.0	°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.

## 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

