

# ASI POLYETHYLENE CP 814-01

Linear Low Density Polyethylene

A. Schulman Inc.

Message:

CP 814-01 Natural is a linear low-density polyethylene resin with excellent molding characteristics and good low temperature impact. This product meets the specifications contained in FDA Regulation CFR 177.1520, (c) 2.1.

General Information			
Features	Good Moldability		
	Good Processability		
	Low Temperature Impact Resistance		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.924	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	50	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	50.0	hr	ASTM D1693C
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	11.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	180	%	ASTM D638
Flexural Modulus - 1% Secant	317	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Gardner Impact (40°C)	27.1	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-71.0	°C	ASTM D746
Melting Temperature	122	°C	
NOTE			
1.	51 mm/min		
2.	51 mm/min		

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Recommended distributors for this material

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