

ASI POLYETHYLENE CP 808-01 Natural

Linear Low Density Polyethylene

A. Schulman Inc.

Message:

CP 808-01 Natural is a linear low-density polyethylene having good processability and exceptional toughness in injection molded parts. This compound has excellent flexibility, high impact strength, excellent stress crack resistance, and good gloss.

General Information			
Features	Food Contact Acceptable		
	Good Flexibility		
	Good Processability		
	Good Toughness		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
	Medium Gloss		
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/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	250	hr	ASTM D1693C
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	45		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	11.0	MPa	ASTM D638
Tensile Elongation ² (Break)	180	%	ASTM D638
Flexural Modulus - 1% Secant	317	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Gardner Impact (-40°C)	28.5	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-68.0	°C	ASTM D746
Melting Temperature	122	°C	
NOTE			
1.	51 mm/min		

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