

# Unilex™ UP.70.960

High Density Polyethylene

United Polychem

## Message:

Unilex™UP. 70.960 is a high density polyethylene material. This product is available in North America and is processed by blow molding.

Unilex™UP. The main features of the 70.960 are:

accessible food

Good stiffness

Impact resistance

Typical application areas include:

packing

sheet

container

food contact applications

General Information			
Features	Rigid, good		
	High density		
	Impact resistance, good		
	Compliance of Food Exposure		
Uses	Sheet		
	Container		
	Food packaging		
Agency Ratings	ASTM D 4976-PE244		
	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	17.5	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	30.3	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	300	%	ASTM D638
Flexural Modulus	1650	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Injection instructions			
Blow Molding Recommended Stock Temperature: 340 - 400°F			
NOTE			

- |    |                  |
|----|------------------|
| 1. | Type 4, 51mm/min |
| 2. | Type 4, 51mm/min |

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Recommended distributors for this material

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