

Lucalen A2700H

Low Density Polyethylene

LyondellBasell Industries

Message:

Lucalen A2700H is a low density polyethylene, containing butyl acrylate comonomer. It exhibits low stiffness, low hardness and good impact properties at low temperature. Lucalen A2700H is suitable for industrial applications where a combination of good processability and excellent softness is required. It is compatible with other Lucalen grades and is miscible with other ethylene copolymers, PE-LD, PE-HD and PE-LLD. The grade is available in natural pellet form. This grade is not intended for use in medical or pharmaceutical applications.

General Information	
Features	Durable
	Good Adhesion
	Good Chemical Resistance
	Good Colorability
	Good Flexibility
	Good Processability
	High ESCR (Stress Crack Resist.)
	High Impact Resistance
	Low Hardness
	Low Temperature Flexibility
	Low Temperature Impact Resistance
	Opticals
	Paintable
	Soft
	Weldable
Uses	Cast Film
	Film
	Geo Membranes
	Industrial Applications
	Plastics Modification
	Profiles
	Sheet
	Wire & Cable Applications
Appearance	Natural Color
Forms	Pellets
Processing Method	Blown Film
	Cast Film
	Compression Molding

Extrusion
Pipe Extrusion
Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.4	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	> 1600	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	34		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, Compression Molded)	12.0	MPa	ISO 527-2/5A
Tensile Strain (Break, Compression Molded)	> 800	%	ISO 527-2/5A
Flexural Modulus	50.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (-40°C)	No Break		ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	70.0	°C	ISO 306/A50
Melting Temperature	97.0	°C	DSC
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 200	°C	

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