



LUTENE FB0800

Applications

Greenhouse, tunnel film, film

Description

LUTENE FB0800 is mainly intended for the extrusion of blown film with high mechanical property for the manufacture of greenhouse film. LUTENE FB0800 have the excellent mechanical properties and optical properties make suitable for manufacture of greenhouse films. (LUTENE FB0800 contains slip agent and

Processing Condition

Processing Temperature : 170 ~ 200℃

Blow-Up Ratio : 1.5 ~ 2

Film thickness : 50 ~ 300μm

Properties	Test Method	Test Condition	Unit	Value
Physical				
Melt Index	ASTM D1238	190℃/2.16kg	g/10min	0.8
Melting Temperature	DSC	10℃/min	℃	110
Density	ASTM D1505	23℃	g/cm³	0.921
Thermal				
Vicat Softening Point	ASTM D1525	1kg	℃	94
			°F	201.2
Film Charateristics				
Tensile Strength at Break	ASTM D882	MD	kg/cm²	220
			MPa	21.7
			psi	3128.4
Tensile Strength at Yield	ASTM D882	TD	kg/cm²	210
			MPa	20.7
			psi	2986.2
Elongation at Break	ASTM D882	MD	%	550
	ASTM D882	TD	%	650
Tear Strength	ASTM D1922	MD	g	280
	ASTM D1922	TD	g	350
Dart Impact Resistance	ASTM D1709	—	g	230
Slip coefficient	ASTM D1894	—	—	0.15
Water Vapor Permeability	LG Method	—	g/cm²·24hrs	12
Oxygen Permeability	LG Method	—	cm³/m²·24hrs·atm	2000
Nitrogen Permeability	LG Method	—	cm³/m²·24hrs·atm	3500
Haze	ASTM D1003	—	%	8

* Measured on compression molded specimen

NOTE : Values given above should only be used as a guide and should not be considered as a firm specification or guarantee.