

# LONGHUA<sup>®</sup> PC-835,832,836,813,815 FILM

## Textured Grades

### Description:

Longhua<sup>®</sup> PC-8 polycarbonate films are available in diverse combinations of textures for customized design flexibility. These textures also offer mar resistance, and can be used over light-emitting devices (LEDs). Low gloss levels are also available to reduce glare in office environments.

Longhua<sup>®</sup> **textured grades** offer high temperature resistance, excellent dimensional stability and printability. **Possible applications:** automotive dials, audio/video remote control fascias, floor graphics, labels for computers and industrial equipment, control panels, packaging shavers, membrane switches, loudspeaker panels, security cards etc.



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## TYPICAL PROPERTY VALUES

PROPERTY	Test Method	Units	Value
<b>PHYSICAL</b>			
Specific Gravity	ASTM D 792	g/cm <sup>3</sup>	1.2
Light Transmission	ASTM D 1003	%	88 - 92
Water Absorption Equilibrium, 24 HRS	ASTM D 570	%	0,35
<b>MECHANICAL</b>			
Tensile Strength	ASTM D 882	psi	8500
	ISO R 1184-1987	MPa	55
Elongation	ASTM D 882	%	> 90
Impact Strength @ 30 mils	Gardner	In-Ibs	120
Tear Strength Propagation	ASTM D 1922	g/mil	> 30
<b>THERMAL</b>			
Vicat Softening Temperature	ASTM D 1525	°C	135
<b>Electrical</b>			
Dielectric Strength (@ 10 mils)	ASTM D 149	V/mil	1700
Volume Resistivity @ 25°C, 50% RH	ASTM D 257	Ohm-cm	10 <sup>16</sup>
Surface Resistivity @ 25°C, 50% RH	ASTM D 257	Ω/□	10 <sup>15</sup>
<b>Flammability</b>			
UL Flammability	UL BULLETIN 94		
@ ≥ 0.250 mm		UL 94	V-2
@ < 0.250 mm		UL 94	VTM-2



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Grade	Color	Texture	Thickness (mm)	Width* (mm)	Feature
LONGHUA <sup>®</sup> PC-835	Natural	Matte/Velvet	0.05 ~ 1.20	930 or 1230 (Cutable)	Excellent scratch resistance
LONGHUA <sup>®</sup> PC-832		Matte/Fine Velvet			
LONGHUA <sup>®</sup> PC-836		Matte /Suede			
LONGHUA <sup>®</sup> PC-813		Polished/Matte	0.175 ~ 1.20		Translucent, lowest haze
LONGHUA <sup>®</sup> PC-815		Polished/Velvet			

PROPERTY	UNITS	LIMITS
Gauge Variation	%	< 0,250 mm +/- 10% ≥ 0,250 mm +/- 5%

\* Standard width, custom specific roll widths are possible, details on request

