

Style 0200 & 0200E

Skived modified PTFE Film – Premium Grade

Skived modified PTFE films are manufactured from virgin modified PTFE, which is pressed into billets, sintered and skived to the appropriate thickness with tight tolerance control. SGPPL uses only high quality resins for its 0200 product series. They are available in widths up to 1500mm and thicknesses down to 12.5µm.

In-house compounding, sodium-ammonia surface treatment and TS16949-certification of the manufacturing site guarantee consistent high quality.

Advantages

- Continuous service temperature up to 260°C
- Superior etching with excellent high temperature capabilities for improved bondability (**Style 0200E**)
- Excellent release and dielectric properties
- Outstanding chemical resistance

Typical Applications—Electronics, electrical insulation, cap liners, wire & cable, release, no-stick & low friction surfaces (anti-squeak), diaphragms, chemical protection & tank liners, elastomer laminates, compensators...

TYPICAL PROPERTIES	0200	0200E	TEST METHOD
Thickness (mm)	0.0125 to 6	0.025 to 1,5	-
Surface Tension (Etched surface) (mN/m)	N/A	≥45	Droplet test
Filler content (% by weight)	None		-
Density (g/cm ³)	2.13-2.19		DIN EN ISO 1183-1
Tensile strength (N/mm ²)	≥ 25		DIN EN ISO 527 v=50mm/min, microtensile die
Elongation (%)	≥ 400		DIN EN ISO 527 v=50mm/min, microtensile die
Surface finish (micron)	Rt ≤ 10		-
Ball indentation hardness 132/60 (N/mm ²)	> 25		DIN EN ISO 2039-1 Thickness min. 4mm
Hardness "Shore D"	> 59		DIN EN ISO 868
Coefficient of linear thermal expansion* (1/°C)			DIN 53752
• 25-100°C	1.25 x10 ⁻⁴		
• 25-150°C	1.36 x10 ⁻⁴		
• 25-200°C	1.90 x10 ⁻⁴		
Coefficient of friction**	0.12 to 0.05		-

* Raw material manufacturer data.

** Dependent upon pressure and speed

All values measured on non-etched tape, thickness 1mm perpendicular to moulding direction.

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