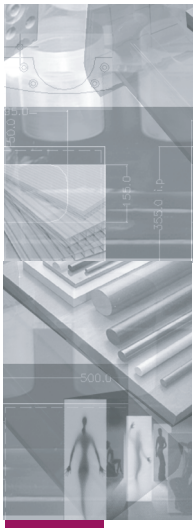

PRODUCT DATA SHEET

Bay Plastics Ltd

Polypropylene Sheets

Polypropylene sheet - the classic wall cladding materials. Hygienic, tough and impact resistant, it will stand repeated steam cleaning and is ideal in all food industry applications.

Technical Specification

	Test method	Units	PPH	PPC
Physical Properties				
Specific gravity (p)	DIN 53479	g/cm³	0.91	0.91
Water absorption	DIN 53495	%	0.01	0.01
Chemical Resistance	DIN 53476	-	DIN 8075	
Max. permissible service temperature (no stronger mech. stress involved)				
upper temperature limit -		°C	100	100
lower temperature limit -		°C	0	-30
Mechanical Properties				
Tensile stress at yield	DIN 53455	MPa	41	
Elongation at yield	DIN 53455	%	11	full mechanical properties data on request
Tensile strength at break	DIN 53455	MPa	36	
Elongation at break	DIN 53455	%	>100	
Impact strength	DIN 53453	kJ/m²	o.B.	
Notch impact strength	DIN 53453	kJ/m²	8	
Ball indentation hardn. / Rockwell				
	DIN 53456	MPa	75	
Modulus of elasticity	DIN 53457	MPa	1350	
Thermal Properties				
Vicat softening temp. VST/B/50 VST/A/50 °C	DIN 53460	°C	95	
Heat deflection temperature HDT/B HDT/A °C	DIN 53461	°C	88	
Coef. of linear therm. expansion	DIN 53752	k-1 x 10-4	1.5	1
Thermal conductivity at 20 °C	DIN 52612	W / (m*k)	0.22	0.22
Electrical Properties				
Volume resistivity	DIN 53482	Ω x cm	$>10^{16}$	$>10^{16}$
Surface resistivity	DIN 53482	Ω	$\geq 10^{13}$	$\geq 10^{13}$
Dielectric constant at 1 MHZ	DIN 53483		2.3	
Dielectric loss factor at 1 MHZ	DIN 53483		0.0002	
Dielectric strength	DIN 53481	kV/mm	70	
Tracking resistance	DIN 53480		KB>600	
Bondability			0	0
Physiological indifference	BGA		+	
	FDA		+	+
Friction coefficient	DIN 53375		0.3	
Flammability	UL 94		HB	HB

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