

Bayfol CR 6-2

PC-blend films / Increased chemical resistance and dynamical strength

Bayfol CR 6-2 is a dazzle-free extruded film based on a Makrolon(PC)/Pocan(PBT)-blend with high dynamic strength, increased chemical resistance, good cold formability and high scratch resistance. The colour is nature translucent, surface structure one side fine velvet, one side very fine matte. Bayfol CR 6-2 is available in various standard thicknesses from 125 - 250 microns, other thicknesses on request.

ISO Shortname

Property	Test Condition	Unit	Standard	Value
Rheological properties				
Shrinkage, parallel	90 °C; 1 h	%	IEC 60674	<= 0.4
Shrinkage, across	90 °C; 1 h	%	IEC 60674	<= 0.2
Mechanical properties (23 °C/50 % r. h.)				
Tensile modulus		MPa	ISO 527-1,-3	>= 2100
C Stress at break, parallel		MPa	ISO 527-1,-3	>= 55
C Stress at break, across		MPa	ISO 527-1,-3	>= 55
Strain at break		%	ISO 527-1,-3	>= 120
Thermal properties				
Coefficient of linear thermal expansion, parallel	20 to 120 °C	10 ⁻⁶ /K	DIN 53752	80
Coefficient of linear thermal expansion, transverse	20 to 120 °C	10 ⁻⁶ /K	DIN 53752	80
Other properties (23 °C)				
Roughness	R3z; Top Side	µm	b.o. ISO 4288	5.0
Roughness	R3z; Reverse Side	µm	b.o. ISO 4288	13
C Density		kg/m ³	ISO 1183	1230
C Gloss	60 °; Top Side	-	ISO 2813	25
C Gloss	60 °; Reverse Side	-	ISO 2813	6.0
Material specific properties				
Luminous transmittance (clear transparent materials)	D65	%	ISO 13468-2	>= 80

C These property characteristics are taken from the CAMPUS plastics data bank and are based on the international catalogue of basic data for plastics according to ISO 10350.

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