



PE500 Confetti Sheet – Pressed & Planed

Bay Plastics Datasheet

Property	Test Method	Unit	Value
Molecular weight	-	10 ⁶ g/mol	0.5
Density	DIN 53479 ISO 1183	g/cm ³	0.95
Yield tension	DIN 53 455 IDO 527-1	N/mm ²	27
Elongation at yield	DIN 53 455 ISO 527-1	%	9
Elongation at break	DIN 53 455 ISO 527-1	%	>600
Tensile modulus of elasticity	DIN 53 455 ISO 527-1	N/mm ²	1200
Ball indentation hardness	DIN 53456 ISO 2039	N/mm ²	50
Charpy impact value	DIN 53 456 ISO 179	KJ/m ²	25
Attrition	Sand-slurry	-	<400
Coefficient of friction	DIN 53 375	-	0.2
Hardness shore D	DIN 53 505	-	65
Min permanent temperature	-	°C	-60
Max permanent temperature	-	°C	80
Thermal length expansion coefficient	DIN 53 752 A	K ⁻¹	1.5 – 2x10 ⁻⁴
Thermal conductivity	-	E / (m x K)	0.4
Volume resistivity	DIN 53 482	Ohm x cm	>10 ¹⁴
Absorption of water	DIN 53 492	mg	≥0.01
Physiologically stable	BgVV – recommendation III	-	Ja*