

# ASD PEARLESCENT LAMINATE

## TECHNICAL DATA SHEET



**ASD PEARLESCENT LAMINATES;** Less than 2 mm, or 2 mm. and greater thickness, according to EN 438-8, surface material of which consists of a pearlescent affect decorative paper, which is impregnated with melamine resin and a core made of layers of kraft paper impregnated with phenolic based resins. They are available the types ATS, ATP, ACS

<b>ATS</b>	Pearlescent Standard Grade Thin Laminate ( < 2 mm )						
<b>ATP</b>	Pearlescent Postforming Grade Thin Laminate ( < 2 mm )						
<b>ACS</b>	Pearlescent Standard Grade Compact Laminate						
PROPERTIES	TEST METHOD	PROPERTY OR ATTRIBUTE	UNIT ( max or min )	VALUES			
				ATS	ATP	ACS	
<b>SURFACE QUALITY</b>							
Surface Quality	EN 438-8	Spots, dirt and similar surface defects	mm <sup>2</sup> /m <sup>2</sup>	≤1			
		Fibres, hairs and scratches	mm/m <sup>2</sup>	≤10			
<b>DIMENSIONAL TOLERANCES</b>							
Dimensional Tolerances	EN 438-2.5	Thickness tolerance	mm	0,5≤t≤1 : +/-0,10		2,0≤t<3,0:±0,20	
			mm	1,0<t<2,0 : +/-0,15		3,0≤t<5,0:±0,30	
			mm	-		5,0≤t<8,0:±0,40	
			mm	-		8,0≤t<12,0:±0,50	
			mm	-		12,0≤t<16,0:±0,60	
			mm	-		16,0≤t<20,0:±0,70	
			mm	-		20,0≤t<25,0:±0,80	
	EN 438-2.6	Length and width	mm	+10/-0			
	EN 438-2.7	Staightness of edges	mm/m	≤1,5			
	EN 438-2.8	Squareness	mm/m	≤1,5			
	EN 438-2.9	Flatness	mm/m	60		2,0≤t<6,0:≤8,0	
			mm/m			6,0≤t<10:≤5,0	
			mm/m			10,0≤t: 3,0	
<b>GENERAL PROPERTIES</b>							
Resistance to immersion in boiling water	EN 438-2.12	Appearance- Gloss Finish	Rating (min)	3			
		Appearance- Other Finish	Rating (min)	4			
		Mass Increase	% max 2,0≤t5	-	5,0		
			% max t≥5	-	2,0		
		Thickness Increase	% max 2,0≤t5	-	6,0		
% max t≥5	-		2,0				
Resistance to water vapour	EN 438-2.14	Appearance	Rating (min)	3			
Dimensional stability at elevated temperature	EN 438-2.17	Cumulative dimensional change	t< 2,0 Longitudinal %	0,75	-		
			t< 2,0 Transversal %	1,25	-		
			2,0≤t≤5,0 Longitudinal %	-	0,4		
			2,0≤t≤5,0 Transversal %	-	0,8		
			t≥5 Longitudinal %	-	0,3		
			t≥5 Transversal %	-	0,6		
Resistance to impact by small diameter	EN 438-2.20	Spring force	N	≥15	-		
Resistance to impact by large diameter	EN 438-2.21	Drop height	mm	-	800		
		Indent diameter	mm	-	12		
Resistance to cracking under stress	EN 438-2.23	Appearance	Rating (min)	4	-		
Resistance to crazing	EN 438-2.24	Appearance	Rating (min)	-	4		
Resistance to scratching	EN 438-2.25	Appearance	Rating (min)	2			
Resistance to staining	EN 438-2.26	Appearance- Groups 1&2	Rating (min)	5			
		Appearance- Grup 3	Rating (min)	4			
Light fastness (xenon ark)	EN 438-2.27	Contrast	Grey scale rating (min)	4 to 5			
Flexural modulus	EN ISO 178	Stress	Mpa (min)	-	9000		
Flexural strength	EN ISO 178	Stress	Mpa (min)	-	80		
Density	EN ISO 1183-1	Density	g/cm <sup>3</sup>	≥1,35			