

# ASD Interior Compact

## Technical Data Sheet

Properties	Test Method	Property or Attribute	Unit (max or min)	Values	
				CGS	CGF
<b>SURFACE QUALITY</b>					
Surface Quality	EN-438-4	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	2,0≤t<3,0: +/-0,20 3,0≤t<5,0: +/-0,30 5,0≤t<8,0: +/-0,40 8,0≤t<12,0: +/-0,50 12,0≤t<16,0: +/-0,60 16,0≤t<20,0: +/-0,70 20,0≤t<25,0<25,0: +/-0,80	
	EN 438-2.6	Length and width	mm	+10/-0	
	EN 438-2.7	Straightness of edges	mm/m	≤1,5	
	EN 438-2.8	Squareness	mm/m	≤1,5	
	EN 438-2.9	Flatness	mm/m	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 surface wear	EN 438-2.10	Initial Point	Revolution	≥ 150	
		Wear Value	Revolution	≥ 350	
Resistance to immersion in boiling water	EN 438-2.12	Mass increase - 2≤t<5	%	5,0	7,0
		Mass increase t≥5	%	2,0	3,0
		Thickness increase 2≤t<5	%	6,0	9,0
		Thickness increase t≥5	%	2,0	6,0
		Appearance-Gloss Finish	Rating (min)	3	
Resistance to water vapor	EN 438-2.14	Appearance-Other Finish	Rating (min)	4	
		Appearance-Gloss Finish	Rating (min)	3	
Resistance to dry heat (160°C)	EN 438-2.16	Appearance-Other Finish	Rating (min)	4	
		Appearance-Gloss Finish	Rating (min)	3	
		Appearance-Gloss Finish	Rating (min)	3	
Resistance to wet heat (100°C)	EN 438-2.18	Appearance-Other Finish	Rating (min)	4	
		Appearance-Gloss Finish	Rating (min)	3	
		Appearance-Gloss Finish	Rating (min)	3	
Dimensional stability at elevated temperature	EN 438-2.17	Cumulative dimensional change 2≤t<5 mm	Longitudinal (%)	≤ 0,40	
		Cumulative dimensional change 2≤t<5 mm	Transversal (%)	≤ 0,80	
		Cumulative dimensional change 5 mm ≤ t	Longitudinal (%)	≤ 0,30	
		Cumulative dimensional change 5 mm ≤ t	Transversal (%)	≤ 0,60	
Resistance to impact with large diameter ball	EN 438-2.21	Indentation diameter 2≤t<6	mm	h 1400*/ d≤10**	
		Indentation diameter t≥6	mm	h 1800*/ d≤10**	
Resistance to crazing (20 hrs at 80°C)	EN 438-2.24	Appearance	Rating (min)	4	
Resistance to scratching	EN 438-2.25	Appearance- Smooth finish	Rating (min)	2	
		Appearance- Textured finish	Rating (min)	3	
Resistance to staining	EN 438-2.26	Appearance- Group 1&2	Rating (min)	5	
		Appearance- Group 3	Rating (min)	4	
Light fastness (Xenon-arc)	EN 438-2.27	Contrast	Grey scale rating	4	
Flexural modulus	EN ISO 178	Stress	Mpa (min)	9000	
Flexural strength	EN ISO 178	Stress	Mpa (min)	80	
Tensile strength	EN ISO 527-2	Stress	Mpa (min)	60	
Density	EN ISO 1183	Density	g / cm <sup>3</sup> (min)	1,35	
Reaction to fire / CGS	EN 13823	Classification t: 6 mm - 10 mm	Classification	D-s2,d0	
Reaction to fire / CGF	EN 13823	Classification ( t: 6 mm )	Classification	B-s1,d0	
Formaldehyde emission (6mm)	EN 717-1	Gas analysis	mg/(m <sup>2</sup> *h)	0,03	
		Classification	Rating	E1	

\* h: Drop Height

\*\*d: Indentation Diameter