

Sheet Material Technical Data

Textured ABS Backer

Product Description

EGR Textured ABS sheet is designed for use as a backing/balancing sheet for laminated panels. The sheet features an easy to clean surface and reverse side is treated for high performance bonding. The sheet is not designed for use as a face sheet or in areas exposed to direct sunlight at anytime.

General Properties

Properties	Specification	Test Method
Specific gravity	1.09	ASTM D-792
Water absorption	<0.5	ASTM D-570
Colour**	dE<1.5 for Solid Colors	AS/NZS 1580.600
Tensile strength	70 MPa	ASTM D-638
Elongation at Yield	4%	ASTM D-638
Tensile modulus	3,000 MPa	ASTM D-638
Flexural strength	100 MPa	ASTM D-790
Flexural modulus	3,000 MPa	ASTM D-790
Izod impact strength, Milled Notch	15 J/m	ASTM D-256
Erichsen Hardness**	≥0.2N	ISO 4586-2 (DIN EN 438-2)
HDT 264 PSI, 1.82MPa	203°F (96°C)	ASTM D-648
CTE, -30°C to 30°C	0.7mm/1000mm/10°C	ASTM D-696
Vicat softening point	219°F (104°C)	
Continuous service temperature	170°F (77°C)	
Degradation temperature	>530°F (>275°C)	
Thickness	0.8mm ± 0.1mm	

** Internally tested by EGR

Applications

The textured ABS most commonly used for the inside surface of doors, drawers and panels or as a carcass lining.

Chemical Resistance

The EGR textured ABS is an inert and very stable polymer and is resistant to the following substances: Kerosene, Mineral Turpentine, lemon juice, Vinegar, Coffee, Soaps and most mild household cleaners. Textured ABS Backer should not be exposed to the following substances: Acetone, Methylated Spirits, Glass Cleaners, Abrasive Cleaners, aggressive solvents such as MEK or Toluene.

Edge Finishing

Uses conventional white ABS textured edge band in similar colour.

Lamination

Textured ABS backer sheet can be laminated to a variety of substrates. Best results will be achieved using PUR adhesive applied through an automated lamination process. Other adhesives such as liquid PUR cross linked EVA or water based contact adhesives can also be used for less technical applications. Typical substrates for laminated panels include MDF, HDF and Plywood.

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Care and Maintenance

For general cleaning use warm soapy water and a clean microfiber cloth. Liquid dishwashing detergent is an ideal cleaner. Wipe away any spills quickly to avoid staining on the surface.

Warranty

EGR Textured ABS backer sheet and panels are covered by a 7 year indoor / exterior covered warranty for use in vertical applications only.