

D3O® SOLID AND MESH SHEET

D3O uses patented, patent-pending and proprietary technologies to make rate-sensitive, soft, flexible materials with high shock absorbing properties.

D3O® Set Foams are available in sheet form for simple integration of D3O® technology into product ranges.

D3O® Set Foams grades offer high levels of shock absorption. They are soft, flexible and versatile, making them compatible with a wide range of applications.

PRODUCT FEATURES

- D3O® patented technology
- High performance impact protection
- Soft and Flexible
- Versatile
- Cut to fit your application
- Available in 5 grades to suit your application ST, XT, Aero, Shock+ and Decell



AVAILABLE IN A RANGE OF THICKNESSES



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*Passes EN ISO 15025:2002 requirements. Clause 8.1.2 Limited flame spread Procedure A Surface Ignition. **Tested to ISO 4649:2010 despite no pass/fail requirements. However, results meet the requirement of ISO 20345:2011 when compared. ***Conducted using internal test method DTS015 (designed to replicate EN 863) with LP2 knee sample included. Level 1 Penetration requirements of EN 14404:2010 met. Values shown represent typical product characteristics. For full details including material properties and product tolerances, please request SOQ document from D3O representative. The information provided is not intended to and does not create any warranties, expressed or implied, including any warranty of merchantability of fitness for a particular purpose. This data sheet shall not be reproduced or amended without the written consent of Design Blue Limited

LOW PROFILE AND FLEXIBLE



EASY TO DIE-CUT



SOFT WITH CUSHIONING



TRUSTED IMPACT PROTECTION™



D3O® SOLID AND MESH SHEET

D3O® Solid Sheet ST / XT / Shock+

Material	ST			XT			Shock+		
Product Name	D3O® Sheet Solid 3mm (ST)	D3O® Sheet Solid 4mm (ST)	D3O® Sheet Solid 6mm (ST)	D3O® Sheet Solid 3mm (XT)	D3O® Sheet Solid 4mm (XT)	D3O® Sheet Solid 6mm (XT)	D3O® Sheet Solid 3mm (Shock+)	D3O® Sheet Solid 4mm (Shock+)	D3O® Sheet Solid 6mm (Shock+)
Product Code	11063	10620	10983	11064	11081	11082	11023	11029	10980
Material Code	SF001	SF001	SF001	SF005	SF005	SF005	SF006	SF006	SF006
Dimensions (mm)	250 x 362	250 x 362	250 x 362	250 x 362	250 x 362	250 x 362	250 x 362	250 x 362	250 x 362
Thickness (mm)	3	4	6	3	4	6	3	4	6
Weight (g)	155	188	282	161	197	295	212	226	339
Hardness (Shore 00)	76	76	76	80	78	78	83	81	80
Density (g/cm3)	0.55	0.50	0.50	0.57	0.52	0.52	0.75	0.60	0.60

D3O® Mesh Sheet ST / XT / Shock+

Material	ST		XT		Shock+	
Product Name	D3O® Sheet Mesh 4mm (ST)	D3O® Sheet Mesh 6mm (ST)	D3O® Sheet Mesh 4mm (XT)	D3O® Sheet Mesh 6mm (XT)	D3O® Sheet Mesh 4mm (Shock+)	D3O® Sheet Mesh 6mm (Shock+)
Product Code	10973	10929	11083	11084	10973	11102
Material Code	SF001	SF001	SF005	SF005	SF006	SF006
Dimensions (mm)	255 x 369	264 x 378	255 x 369	264 x 378	255 x 369	264 x 378
Thickness (mm)	4	6	4	6	4	6
Weight (g)	160	245	205	301	215	317
Hardness (Shore 00)	70	68	78	78	81	80
Density (g/cm3)	0.48	0.45	0.62	0.57	0.65	0.60

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D3O® SOLID AND MESH SHEET

D3O® Solid Sheet Aero

Material	Aero						
Product Name	D3O® Sheet Solid 2mm (Aero) Skived	D3O® Sheet Solid 4mm (Aero) Skived	D3O® Sheet Solid 3mm (Aero)	D3O® Sheet Solid 4mm (Aero)	D3O® Sheet Solid 6mm (Aero)	Sheet Solid 8mm (Aero)	D3O® Sheet Solid 10mm (Aero)
Product Code	12373	12445	11190	11191	11192	11193	11211
Material Code	SF010	SF010	SF010	SF010	SF010	SF010	SF010
Dimensions (mm)	255 x 369	255 x 369	250 x 362	250 x 362	250 x 362	250 x 362	250 x 362
Thickness (mm)	2	4	3	4	6	8	10
Weight (g)	39	77	116	139	186	226	253
Hardness (Shore 00)	40	38	62	58	54	53	50
Density (g/cm3)	0.20	0.20	0.41	0.37	0.33	0.30	0.27

D3O® Solid Sheet Decell

Material	Decell B					
Product Name	D3O® Sheet Solid 3mm (Decell)	D3O® Sheet Solid 4mm (Decell)	D3O® Sheet Solid 6mm (Decell)	D3O® Sheet Solid 6mm 347 x 377 (Decell)	D3O® Sheet Solid 8mm (Decell)	D3O® Sheet Solid 10mm (Decell)
Product Code	11349	11350	11217	12105	11532	11351
Material Code	SE007	SE007	SE007	SE007	SE007	SE007
Dimensions (mm)	250 x 362	250 x 362	250 x 362	347 x 377	250 x 362	250 x 362
Thickness (mm)	3	4	6	6	8	10
Weight (g)	110	135	198	279	241	282
Hardness (Shore 00)	75	70	70	70	68	68
Density (g/cm3)	0.39	0.36	0.35	0.35	0.32	0.30

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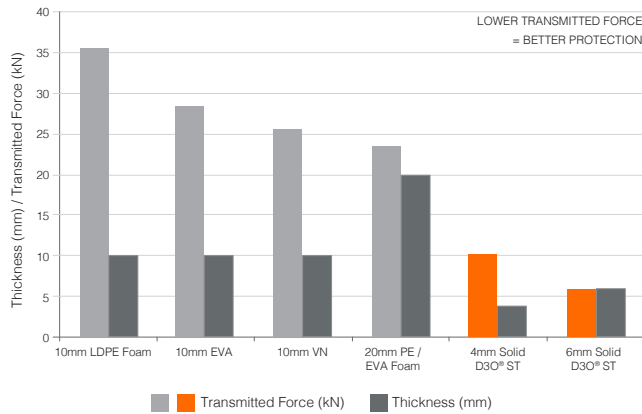
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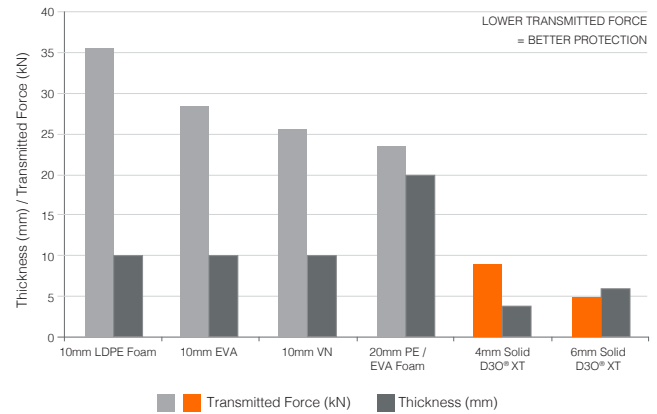


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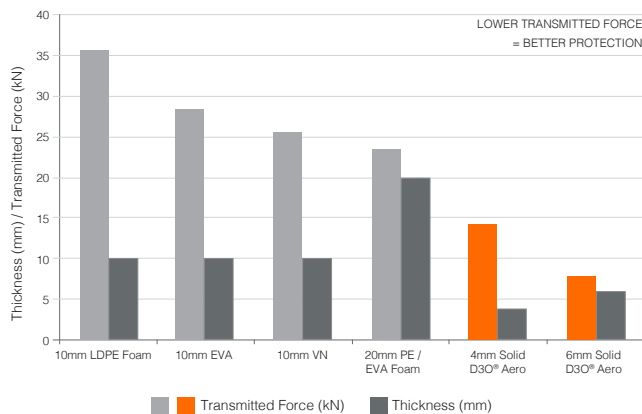
D3O® ST, Comparative Impact Test (10J)



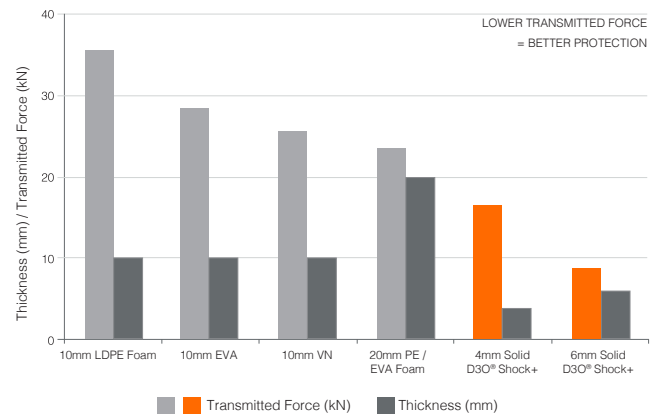
D3O® XT, Comparative Impact Test (10J)



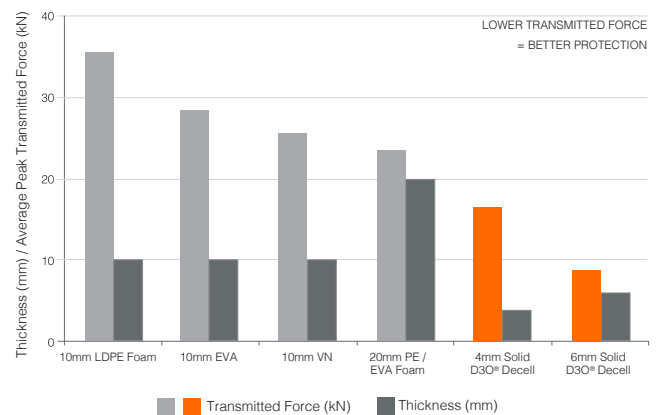
D3O® Aero, Comparative Impact Test (10J)



D3O® Shock+, Comparative Impact Test (10J)



D3O® Decell, Comparative Impact Test (10J)



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