

RECYCLED FOAMS

Delta Three Oscar[™] uses rate sensitive, soft and flexible D3O[®] materials for shock absorption and impact protection applications.

D30[®] Recycled Foams contains two grades of D30[®] Zero[™] materials. This recycled material is the latest innovation from impact protection experts at D30. D30[®] Zero[™] has been designed to protect the things that matter while innovating the manufacturing process to reduce waste. This new, recycled protective material is suitable for a range of applications.

Available in four thicknesses and two densities, D3O[®] Zero[™] is suitable for a range of applications requiring impact protection.

To create D3O[®] Zero[™], surplus D3O[®] material from D3O factories is ground down and mixed with new foams, and the mixture is shaped into large cylindrical bales of D3O[®] Zero[™]. Next, D3O skives sheets in various thicknesses ranging from 2mm to 10mm for customers. The material can then be die cut of thermoformed to suit various protective applications.



Recycled Foams - Product Details

Code name	Synonym	Density	Hardness	Tensile strength	Split tear strength	Elongation at break	Com- pressive strength	Flexural modulus	Tensile modulus	Decelera- tion 4.5 J	Energy return 4.5 J	Compres- sion set	Water ab- sorbency	Impact protection (10 J)	Impact protection (20 J)	Accelerated ageing (heat) (10J)	Accelerated ageing (humidity) (10J)	Recycled
RF001	D3O [®] Zero™ (low density)	231.0	49.5	0.3	0.6	79.5	320.0	0.4	0.48	90.2	23	3.9	302.0	17.0	39.0	9.9	-32.3	68.0
RF002	D3O [®] Zero™ (mid density)	278.0	58.6	0.4	0.7	76.6	490.0	0.8	0.84	57.1	22	4.0	248.0	8.9	27.8	14.8	-13.5	69.0
Method reference*		ISO 845:2009	ASTM D2240 - 05 (2010)	ISO 1798:2008	SATRA TM65	ISO 1798:2008	ASTM D3575- 14D	DTS052	DTS061	DTS002-2	ASTM F614-99 (2006)	EN ISO 1856	DTS028	EN 1621:1 (2.5 Kg, 10J)	EN 1621:1 (2.5 Kg, 20J)	BS EN ISO 2440:2000 (ageing)*	BS EN ISO 2440:2000 (ageing)*	N/A
Units		kg/m3	Shore OO	N/mm2	N/mm	%	kPa	MPa	MPa	g	%	%	%	kΝ	kN	%	%	%

AVAILABLE IN A RANGE OF THICKNESSES



RECYCLED D30® MATERIAL



LOW PROFILE AND FLEXIBLE



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