


D3O[®] MATERIAL MATRIX

Understand the different features of the full range of D3O materials. A higher number indicates a greater performance in that feature.

ST - SF001

Impact Protection	Density*	Durability	Temperature Stability
5	2.5	2	1


Designed for markets, such as motorcycle and sports, where high impact energies are experienced.



XTi - SF005

Impact Protection	Density*	Durability	Temperature Stability
4.5	4	4	3


Soft, flexible and lightweight impact protection frequently used for motorcycle limb protectors and sport.



Aero - SF010

Impact Protection	Density*	Durability	Temperature Stability
4	4.5	1	1


A more lightweight version of ST, frequently used for helmet liners and back protectors.



SE004

Impact Protection	Density*	Durability	Temperature Stability
4	1	5	4


SE004 can be engineered into structures and designs that offer unrivalled shock absorption and achieve a thinner, more detailed impact protection layer.



TPE - FE002

Impact Protection	Density*	Durability	Temperature Stability
4	1	5	5

The D3O[®] Formable Elastomer range has been developed for injection moulding, specially consumer electronics cases.



*The higher the density score the less dense the material is (5 is the least dense material)

Decell B - SF007

Impact Protection



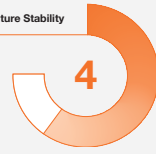
Density*



Durability



Temperature Stability



Decell is the material of choice for insoles and heel inserts, as it offers maximum protection whilst providing a softer, lighter ride.



Decell TRUST - SF019

Impact Protection



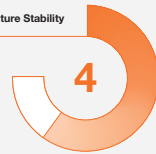
Density*



Durability



Temperature Stability



Decell TRUST was designed for military use in helmets and limb protection applications.



D3O[®] powered by DuPont™ Hytrel[®] - FE003

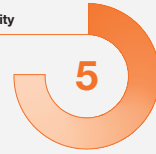
Impact Protection



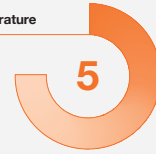
Density*



Durability



Temperature



D3O[®] powered by DuPont™ Hytrel[®] addresses the market need for products and applications that benefit from an increasingly stiff material at higher frequencies or rates.



Impact Additive (iA)

Impact Protection



Density*



Durability



Temperature Stability



D3O[®] iA combines advanced polymer chemistry and manufacturing techniques to deliver unmatched impact protection properties to traditional TPR without



LITE Foams A-E - FF001 - FF005

Impact Protection



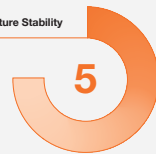
Density*



Durability



Temperature Stability



These D3O[®] comfort and cushioning solutions are developed for markets where impact energies are typically lower and where other performance properties, such as temperature stability and flexibility, are the key considerations.



*The higher the density score the less dense the material is (5 is the least dense material)