



# D30® FORMABLE ELASTOMERS



D30 uses a combination of patented, patent-pending and proprietary technologies to make rate sensitive, soft, flexible materials with high shock absorbing properties.

Our extensive material portfolio is compatible with many different production processes, with each material grade formulated and tuned to deliver specific performance properties.

Our current materials portfolio falls into six groups: Set Foams (Sf), Formable Foams (Ff), Recycled Foams (Rf), Set Elastomers (Se), Formable

With similar impact protection and shock absorption capabilities to D30® Set Elastomer offering, the D30® Formable Elastomer range has been developed to be compatible with injection moulding or similar processes.

## D30® Formable Elastomers

Material Name	"Density (kg/m3)"	"Hardness (Shore A)"	"Tensile Strength at Break (MPa)"	"Tensile Elongation at Break (%)"	"Tear Strength (N/mm)"	Shrinkage (at 150°C)	"Transparency (%)"	"Plant-based content (%)"	Suitable for opaque coloured products	Suitable for solid colours	Suitable for clear colours
Method reference*	ISO 845:2009	*ASTM D2240 - 05 (2010)	ISO 37:2017 Type 1	ISO 37:2017 Type 1	ASTM D624 Type T		DTS086				
Test Condition		3s	500mm/min	500mm/min	50mm/min						
D30® Bio	1160	93.3	20.7	499.3	8.4	0.8%	81	45	Yes	Yes	Yes
D30 Grip	900	18	1.62	1400	2.68	3.8%	N/A	-	Yes	Yes	No

\*\*Molten material remains on wheel

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