



General Purpose Applications (Injection Molding Grades)

TEXa® bio based compound consists of a minimum 25 wt% of renewable carbon, 14C as per ASTM D6866 definition. It is formulated from agricultural by-product which is not from edible resources. Production of TEXa® uses non-hazardous ingredients and reduces greenhouse gases emission. TEXa® Bio based compound can be used on its own or blended together with polypropylene and is ideal for various sustainable and durable applications as prescribed below:

Properties	TEXa Grade		
	EG101 (Rice Husk Based)	MB221LC (Rice Husk Based)	EG160 (Oil Palm Based)
Surface Appearance	Non-Textured	Textured	Textured
Density (g/cm ³)	1.1	1.1	1.1
Mold Shrinkage, (%)	1.0	0.7	0.5
Spiral Flow Length* (cm)	40	26	28
MFI @ 230 °C, 2.16 kg (g/10min)	19	15	-
Flexural Strength (MPa)	37	37	48
Flexural Modulus (MPa)	1400	1500	2400
Notched Impact Strength (J/m)	45	46	65
HDT @ 0.455 MPa (°C)	91	111	135
HDT @ 1.82 MPa (°C)	62	70	88
Features	Colorable and Recyclable		
Recommended Application	General Purpose, Household Application, Office Stationery, Garden Tools, Hygiene Products, Furniture, Office Automation, Consumer Electrics, Home Appliance and Wood Replacement.		

Note:

The stated values for TEXa are typical values and shall not to be construed as specification limits. As TEXa is made from natural material, there may be variation in color and odor from batch to batch. *Tested using JSW 110 ton injection molding machine; Barrel Temperature set at 185 oC – 195oC.