
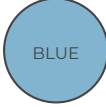






Exclusive Reseller of **Base Materials** in India

		BE368	BE978	BE650	BE769	BE265*	BE890	
Application recommendations	Master models / patterns	✓	✓	✓	✓		✓	
	Direct-to-part manufacturing			✓	✓	✓	✓	
	jig / fixtures	✓	✓		✓			
	Vacuum forming & thermoforming			✓	✓		✓	
	Automotive modelling	✓	✓	✓	✓	✓		
Key properties 1 - good 2 - very good 3 - excellent	Surface finish	●●	●●●	●●●	●●●	●●●	●●●	
	Dimensional stability	●●●	●●●	●●	●●●	●●	●●	
	Machinability	●●	●●●	●●●	●●●	●●●	●●●	
Technical information	Colour							
	Deflection temperature (Tg) °C	165	145	120	180	190	125	
	Coefficient of thermal expansion (CTE) °C	36	39	45	39	40	40	
	Density kg/m ³	ca. 685	ca. 680	ca. 710	ca. 720	ca. 780	ca. 890	
	Hardness shore D	74	73	74	76	79	77	
	Compressive strength Mpa	54	50	50	50	53	57	
	Flexural strength Mpa	40	38	40	38	32	39	
	Board dimensions mm	1524 x 608						
	Thickness mm	50, 75, 100, 150, 200	50, 75, 100, 125, 150, 200	50, 75, 100, 125	50, 75, 100	Made to order	50, 75, 100, 125	
	Recommended adhesives	BB570, BB551, BB580						BB570
Recommended repair pastes	879							

* Made to order, minimum order quantity 6m³

Data shown is indicative. Product testing should be carried out to confirm suitability.

Polyurethane (PU) tooling materials

Low Density



		BP80*	BP150	BP240	BP350	BP450
Application recommendations	Master models			✓	✓	✓
	Jigs & fixtures				✓	✓
	Prototype models	✓	✓	✓	✓	✓
	Automotive modelling			✓	✓	✓
	Decorative arts & crafts	✓	✓	✓	✓	✓
	Film & theatre props	✓	✓	✓	✓	✓
	Foundry patterns and pattern plates			✓	✓	✓
	Production tools and plugs for GRP/FRP					✓
Key properties 1 - good 2 - very good 3 - excellent	Surface finish	●	●	●	●●	●●
	Dimensional stability	●●	●●	●●	●●	●●
	Machinability	●●●	●●●	●●●	●●●	●●●
	Low dust	●●	●●	●●●	●●●	●●●
Technical information	Colour					
	Deflection temperature (Tg) °C	100	76	79	72	70
	Coefficient of thermal expansion (CTE) °C	80	65	65	60	52
	Density kg/m ³	ca. 80	ca. 150	ca. 240	ca. 350	ca. 450
	Hardness shore D	N/A	9	23	35	40
	Compressive strength Mpa	0.7	1.6	3.6	7	9.5
	Flexural strength Mpa	1.05	2.2	5.1	9	10
	Board dimensions mm	2500 x 1200	2000 x 1000	2000 x 1000	2000 x 1000	1500 x 500
	Thickness mm		50*, 100, 150*, 200			50, 100, 150*, 200*
Recommended adhesives	BB370, BB470					

* This material or thickness is made to order.

Data shown is indicative. Product testing should be carried out to confirm suitability.

Polyurethane (PU) tooling materials

Medium Density









		BP600	BP700	BP701	BP750	BP850
Application recommendations	Master models	✓	✓			
	Prototype models	✓	✓			
	Automotive modelling	✓	✓		✓	✓
	Vacuum forming & thermoforming	✓	✓		✓	✓
	Jigs & fixtures	✓	✓		✓	
	Foundry patterns & pattern plates	✓	✓	✓	✓	✓
	Reactive Injection Moulding (RIM)		✓			
	Architectural models	✓	✓			
	Film & theatre props	✓				
	Decorative arts & crafts	✓	✓			
Key properties 1 - good 2 - very good 3 - excellent	Surface finish	●●	●●●	●●●	●●●	●●●
	Dimensional stability	●●	●●	●●●	●●●	●●●
	Machinability	●●●	●●●	●●	●●	●●
	Low dust	●●●	●●●	●●●	●●●	●●●
Technical information	Colour					
	Deflection temperature (Tg) °C	67	67	94	91	94
	Coefficient of thermal expansion (CTE) °C	45	45	40	40	42
	Density kg/m ³	ca. 600	ca. 700	ca. 700	ca. 750	ca. 850
	Hardness shore D	65	65	72	73	76
	Compressive strength Mpa	30	30	44	53	59
	Flexural strength Mpa	30	30	40	43	52
	Board dimensions mm	1524 x 608				
	Thickness mm	50, 75, 100 150, 200	50, 75, 100 150, 200	50, 75, 100, 150, 200	50, 75, 100	50, 75, 100
	Recommended adhesives	BB470, BB551, BB580				
Recommended repair paste	879					

Data shown is indicative. Product testing should be carried out to confirm suitability.

Polyurethane (PU) tooling materials

High Density

		BP1100	BP1200	BP1250	BP1400	BP1404	BP1700
Application recommendations	Automotive modelling	✓	✓	✓			
	Vacuum forming & thermoforming	✓	✓	✓		✓	✓
	Jigs & fixtures		✓	✓	✓	✓	✓
	Hammer or metal forming		✓	✓		✓	✓
	Foundry patterns & pattern plates	✓	✓	✓	✓	✓	✓
	Core boxes		✓	✓	✓	✓	
	Reactive Injection Moulding (RIM)			✓	✓		✓
Key properties 1 - good 2 - very good 3 - excellent	Surface finish	●●●	●●●	●●●	●●●	●●●	●●●
	Dimensional stability	●●●	●●●	●●●	●●	●●●	●●●
	Machinability	●●●	●●●	●●●	●●	●●●	●●
	Abrasion resistance	-	●●●	●●●	●●●	●●●	●●●
Technical information	Colour						
	Deflection temperature (Tg) °C	85	65	85	96	80	130
	Coefficient of thermal expansion (CTE) °C	45	50	80	46	80	39
	Density kg/m ³	ca. 1100	ca. 1200	ca. 1250	ca. 1400	ca. 1400	ca. 1785
	Hardness shore D	84	83	85	85	85	93
	Compressive strength Mpa	55	80	75	104	80	125
	Flexural strength Mpa	50	85	87	107	77	85
	Board dimensions mm	1524 x 608	1000 x 500, 1509 x 605	1000 x 500, 1515 x 608	1000 x 500, 1515 x 608	1000 x 500, 1515 x 608	1000 x 500
	Thickness mm	50, 75, 100					
	Recommended adhesives	BB475, BB551, BB580	-	BB425, BB551, BB580			-
Recommended repair paste	879	-	BB425			-	

Data shown is indicative. Product testing should be carried out to confirm suitability.