



High Density Foam



Lower Density Foam

WHAT A DIFFERENCE DENSITY MAKES

Whilst the following two wheels may look the same - using the same plastic wheel centres, exactly the same dimensions and so on - the difference in the tyre material density can be clearly seen from weighing scale readout.

The point is, although many similar looking wheels are available on the UK market, the density of their foam can be completely different. As a direct result, the rolling resistance can be greatly affected by the wrong choice of tyre! A sack truck or trolley can be either easy or back-breaking to move under load according to the relative tyre deformation alone - assuming that other variable such as bearing quality are the same.



Our wheel assembly machine in action at BIL Calne



A wide range of foam grades

At BIL we have studied the market thoroughly and understand that there are many differing applications and budgets too. In consequence BIL have developed a wide range of grades or densities of PU foam to suit individual needs.

Whilst higher density foam-filled wheels will give a harder ride and cost more than with cheaper lower density foams, they offer a much better compression set. Under heavier loading, cheaper, lower density foams compress more under the load and so become harder to roll.

BIL will be happy advise you on your choice, and then provide the correct grade of wheel to suit your application and budget.

PUNCTURE-PROOF WPPU SERIES



Diamond Pattern Black
Puncture-Proof
On Polypropylene Rim



Ribbed Pattern Black
Puncture-Proof
On Polypropylene Rim



Block Pattern Black
Puncture-Proof
On Polypropylene Rim

-10°C to +60°C
Max Speed 4kph

-10°C to +60°C
Max Speed 4kph

-10°C to +60°C
Max Speed 4kph

Dia (mm)	Bearing	Code	Diamond Pattern Black Puncture-Proof On Polypropylene Rim				Ribbed Pattern Black Puncture-Proof On Polypropylene Rim				Block Pattern Black Puncture-Proof On Polypropylene Rim							
			Tread (mm)	Hub (mm)	Bore (mm)	Load (kg)	Tread (mm)	Hub (mm)	Bore (mm)	Load (kg)	Tread (mm)	Hub (mm)	Bore (mm)	Load (kg)				
260	□	BZWPPU26020D/LITE	85	75	20	100	□	BZWPPU26020/LITE	85	75	20	100	-	-	-	-		
	▨	BZWPPUR26020D/LITE	85	75	20	100	▨	BZWPPUR26020/LITE	85	75	20	100	-	-	-	-		
	▩	BZWPPUB26020D/LITE	85	75	20	100	▩	BZWPPUB26020/LITE	85	75	20	100	-	-	-	-		
	□	BZWPPU26020D	85	75	20	150	□	BZWPPU26020	85	75	20	150	-	-	-	-		
	▨	BZWPPUR26020D	85	75	20	150	▨	BZWPPUR26020	85	75	20	150	-	-	-	-		
	▩	BZWPPUB26020D	85	75	20	150	▩	BZWPPUB26020	85	75	20	150	-	-	-	-		
	□	BZWPPU26025D/LITE	85	75	25	100	□	BZWPPU26025/LITE	85	75	25	100	-	-	-	-		
	▨	BZWPPUR26025D/LITE	85	75	25	100	▨	BZWPPUR26025/LITE	85	75	25	100	-	-	-	-		
	□	BZWPPU26025D	85	75	25	150	□	BZWPPU26025	85	75	25	150	-	-	-	-		
	▨	BZWPPUR26025D	85	75	25	150	▨	BZWPPUR26025	85	75	25	150	-	-	-	-		
	□	BZWPPU260254D/LITE	85	75	25.4	100	□	BZWPPU260254/LITE	85	75	25.4	100	-	-	-	-		
	▨	BZWPPUR260254D/LITE	85	75	25.4	100	▨	BZWPPUR260254/LITE	85	75	25.4	100	-	-	-	-		
	□	BZWPPU260254D	85	75	25.4	150	□	BZWPPU260254	85	75	25.4	150	-	-	-	-		
	▨	BZWPPUR260254D	85	75	25.4	150	▨	BZWPPUR260254	85	75	25.4	150	-	-	-	-		
300	□	BZWPPU30020D/LITE	90	75	20	120	-	-	-	-	-	-	-	-	-	-		
	▨	BZWPPUR30020D/LITE	90	75	20	120	-	-	-	-	-	-	-	-	-	-		
	▩	BZWPPUB30020D/LITE	90	75	20	120	-	-	-	-	-	-	-	-	-	-		
	□	BZWPPU30020D	90	75	20	150	-	-	-	-	-	-	-	-	-	-		
	▨	BZWPPUR30020D	90	75	20	150	-	-	-	-	-	-	-	-	-	-		
	▩	BZWPPUB30020D	90	75	20	150	-	-	-	-	-	-	-	-	-	-		
	□	BZWPPU30025D/LITE	90	75	25	120	-	-	-	-	-	-	-	-	-	-		
	▨	BZWPPUR30025D/LITE	90	75	25	120	-	-	-	-	-	-	-	-	-	-		
	□	BZWPPU30025D	90	75	25	150	-	-	-	-	-	-	-	-	-	-		
	▨	BZWPPUR30025D	90	75	25	150	-	-	-	-	-	-	-	-	-	-		
	□	BZWPPU300254D/LITE	90	75	25.4	120	-	-	-	-	-	-	-	-	-	-		
	▨	BZWPPUR300254D/LITE	90	75	25.4	120	-	-	-	-	-	-	-	-	-	-		
	□	BZWPPU300254D	90	75	25.4	150	-	-	-	-	-	-	-	-	-	-		
	▨	BZWPPUR300254D	90	75	25.4	150	-	-	-	-	-	-	-	-	-	-		
350	-	-	-	-	-	-	□	BZWPPU350254/LITE	80	66	25.4	120	□	BZWPPU350254B	80	66	25.4	170
	-	-	-	-	-	-	▨	BZWPPUR35020/LITE	80	75	20	120	▨	BZWPPUR35020B	80	75	20	170
	-	-	-	-	-	-	▨	BZWPPUR35025/LITE	80	75	25	120	▨	BZWPPUR35025B	80	75	25	170
	-	-	-	-	-	-	▨	BZWPPUR350254/LITE	80	75	25.4	120	▨	BZWPPUR350254B	80	75	25.4	170
	-	-	-	-	-	-	□	BZWPPU350254	80	66	25.4	170	-	-	-	-	-	
	-	-	-	-	-	-	▨	BZWPPUR35020	80	75	20	170	-	-	-	-	-	
	-	-	-	-	-	-	▨	BZWPPUR35025	80	75	25	170	-	-	-	-	-	
400	-	-	-	-	-	-	▨	BZWPPUR350254	80	75	25.4	170	-	-	-	-	-	
	-	-	-	-	-	-	□	BZWPPU400254/LITE	100	66	25.4	150	-	-	-	-	-	
	-	-	-	-	-	-	▨	BZWPPUR40020/LITE	100	75	20	150	-	-	-	-	-	
	-	-	-	-	-	-	▨	BZWPPUR40025/LITE	100	75	25	150	-	-	-	-	-	
	-	-	-	-	-	-	▨	BZWPPUR400254/LITE	100	75	25.4	150	-	-	-	-	-	
	□	BZWPPU400254D	100	66	25.4	200	□	BZWPPU400254	100	66	25.4	200	-	-	-	-	-	
▨	BZWPPUR40020D	100	75	20	200	▨	BZWPPUR40020	100	75	20	200	-	-	-	-	-		
▨	BZWPPUR40025D	100	75	25	200	▨	BZWPPUR40025	100	75	25	200	-	-	-	-	-		
▨	BZWPPUR400254D	100	75	25.4	200	▨	BZWPPUR400254	100	75	25.4	200	-	-	-	-	-		

□ PLAIN ▨ ROLLER ▩ BALL

Supplied by Merlin Industrial Products Ltd - Call 01752 690622 - Email sales@mipl.uk

PUNCTURE-PROOF WMPU SERIES



100-200kg 260-400mm

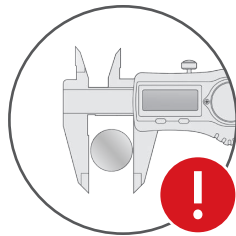
Dia (mm)	Bearing	Diamond Pattern Black Puncture-Proof On Steel Rim					Ribbed Pattern Black Puncture-Proof On Steel Rim					Block Pattern Black Puncture-Proof On Steel Rim						
		Code	Tread (mm)	Hub (mm)	Bore (mm)	Load (kg)	Code	Tread (mm)	Hub (mm)	Bore (mm)	Load (kg)	Code	Tread (mm)	Hub (mm)	Bore (mm)	Load (kg)		
260		BZWMPUR2602065D/LITE	85	65	20	100		BZWMPUR2602065/LITE	85	65	20	100	-	-	-	-		
		BZWMPUB2602065D/LITE	85	65	20	100		BZWMPUB2602065/LITE	85	65	20	100	-	-	-	-		
		BZWMPUR2602065D	85	65	20	150		BZWMPUR2602065	85	65	20	150	-	-	-	-		
		BZWMPUB2602065D	85	65	20	150		BZWMPUB2602065	85	65	20	150	-	-	-	-		
		BZWMPUR2602565D/LITE	85	65	25	100		BZWMPUR2602565/LITE	85	65	25	100	-	-	-	-		
		BZWMPUB2602565D/LITE	85	65	25	100		BZWMPUB2602565/LITE	85	65	25	100	-	-	-	-		
		BZWMPUR2602565D	85	65	25	150		BZWMPUR2602565	85	65	25	150	-	-	-	-		
		BZWMPUB2602565D	85	65	25	150		BZWMPUB2602565	85	65	25	150	-	-	-	-		
		BZWMPUR26025465D/LITE	85	65	25.4	100		BZWMPUR26025465/LITE	85	65	25.4	100	-	-	-	-		
		BZWMPUB26025465D	85	65	25.4	150		BZWMPUB26025465	85	65	25.4	150	-	-	-	-		
	300		BZWMPUR3002065D/LITE	90	65	20	130	-	-	-	-	-	-	-	-	-		
			BZWMPUB3002065D/LITE	90	65	20	130	-	-	-	-	-	-	-	-			
			BZWMPUR3002065D	90	65	20	150	-	-	-	-	-	-	-	-			
			BZWMPUB3002065D	90	65	20	150	-	-	-	-	-	-	-	-			
		BZWMPUR3002565D/LITE	90	65	25	130	-	-	-	-	-	-	-	-				
		BZWMPUB3002565D/LITE	90	65	25	130	-	-	-	-	-	-	-	-				
		BZWMPUR3002565D	90	65	25	150	-	-	-	-	-	-	-	-				
		BZWMPUB3002565D	90	65	25	150	-	-	-	-	-	-	-	-				
		BZWMPUR30025465D/LITE	90	65	25.4	130	-	-	-	-	-	-	-	-				
		BZWMPUB30025465D	90	65	25.4	150	-	-	-	-	-	-	-	-				
350	-	-	-	-	-	-		BZWMPUR3502065/LITE	80	65	20	120		BZWMPUR3502065B	80	65	20	170
	-	-	-	-	-	-		BZWMPUR3502565/LITE	80	65	25	120		BZWMPUR3502565B	80	65	25	170
	-	-	-	-	-	-		BZWMPUR35025465/LITE	80	65	25.4	120		BZWMPUR35025465B	80	65	25.4	170
	-	-	-	-	-	-		BZWMPUB3502065/LITE	80	65	20	120		BZWMPUB3502065B	80	65	20	170
	-	-	-	-	-	-		BZWMPUB3502565/LITE	80	65	25	120		BZWMPUB3502565B	80	65	25	170
	-	-	-	-	-	-		BZWMPUR3502065	80	65	20	170	-	-	-	-		
	-	-	-	-	-	-		BZWMPUR3502565	80	65	25	170	-	-	-	-		
	-	-	-	-	-	-		BZWMPUR35025465	80	65	25.4	170	-	-	-	-		
	-	-	-	-	-	-		BZWMPUB3502065	80	65	20	120	-	-	-	-		
	-	-	-	-	-	-		BZWMPUB3502565	80	65	25	120	-	-	-	-		
400	-	-	-	-	-	-		BZWMPUR4002065/LITE	100	65	20	150	-	-	-	-		
	-	-	-	-	-	-		BZWMPUR4002565/LITE	100	65	25	150	-	-	-	-		
	-	-	-	-	-	-		BZWMPUR40025465/LITE	100	65	25.4	150	-	-	-	-		
	-	-	-	-	-	-		BZWMPUB4002065/LITE	100	65	20	150	-	-	-	-		
	-	-	-	-	-	-		BZWMPUR40025465/LITE	100	65	25.4	150	-	-	-	-		
		BZWMPUR4002065D	100	65	20	200		BZWMPUR4002065	100	65	20	200	-	-	-	-		
		BZWMPUR4002565D	100	65	25	200		BZWMPUR4002565	100	65	25	200	-	-	-	-		
		BZWMPUR40025465D	100	65	25.4	200		BZWMPUR40025465	100	65	25.4	200	-	-	-	-		
		BZWMPUB4002065D	100	65	20	200		BZWMPUB4002065	100	65	20	200	-	-	-	-		
		BZWMPUR40025465D	100	65	25.4	200		BZWMPUR40025465	100	65	25.4	200	-	-	-	-		

PUNCTURE-PROOF WMPU SERIES



Dia (mm)	Bearing	Code	Diamond Pattern Black Puncture-Proof On Steel Rim				Ribbed Pattern Black Puncture-Proof On Steel Rim				Block Pattern Black Puncture-Proof On Steel Rim							
			Tread (mm)	Hub (mm)	Bore (mm)	Load (kg)	Tread (mm)	Hub (mm)	Bore (mm)	Load (kg)	Tread (mm)	Hub (mm)	Bore (mm)	Load (kg)				
200	-																	
260	ROLLER	BZWMPUR26020D/LITE	85	75	20	100	ROLLER	BZWMPUR26020/LITE	85	75	20	100	-	-	-	-		
	ROLLER	BZWMPUR26020D	85	75	20	150	ROLLER	BZWMPUR26020	85	75	20	150	-	-	-	-		
	ROLLER	BZWMPUR26025D/LITE	85	75	25	100	ROLLER	BZWMPUR26025/LITE	85	75	25	100	-	-	-	-		
	ROLLER	BZWMPUR26025D	85	75	25	150	ROLLER	BZWMPUR26025	85	75	25	150	-	-	-	-		
	ROLLER	BZWMPUR260254D/LITE	85	75	25.4	100	ROLLER	BZWMPUR260254/LITE	85	75	25.4	100	-	-	-	-		
	ROLLER	BZWMPUR260254D	85	75	25.4	150	ROLLER	BZWMPUR260254	85	75	25.4	150	-	-	-	-		
300	ROLLER	BZWMPUR30020D/LITE	90	75	20	130	-	-	-	-	-	-	-	-				
	ROLLER	BZWMPUR30020D	90	75	20	150	-	-	-	-	-	-	-	-				
	ROLLER	BZWMPUR30025D/LITE	90	75	25	130	-	-	-	-	-	-	-	-				
	ROLLER	BZWMPUR30025D	90	75	25.4	150	-	-	-	-	-	-	-	-				
	ROLLER	BZWMPUR300254D/LITE	90	75	25.4	130	-	-	-	-	-	-	-	-				
	ROLLER	BZWMPUR300254D	90	75	25.4	150	-	-	-	-	-	-	-	-				
350	-	-	-	-	-	-	ROLLER	BZWMPUR35020/LITE	80	75	20	120	ROLLER	BZWMPUR35020B	80	75	20	170
	-	-	-	-	-	-	ROLLER	BZWMPUR35025/LITE	80	75	25	120	ROLLER	BZWMPUR35025B	80	75	25	170
	-	-	-	-	-	-	ROLLER	BZWMPUR350254/LITE	80	75	25.4	120	ROLLER	BZWMPUR350254B	80	75	25.4	170
	-	-	-	-	-	-	ROLLER	BZWMPUR35020	80	75	20	170	-	-	-	-		
	-	-	-	-	-	-	ROLLER	BZWMPUR35025	80	75	25	170	-	-	-	-		
	-	-	-	-	-	-	ROLLER	BZWMPUR350254	80	75	25.4	170	-	-	-	-		
400	ROLLER	BZWMPUR40020D	100	75	20	200	ROLLER	BZWMPUR40020/LITE	100	75	20	150	-	-	-	-		
	ROLLER	BZWMPUR40025D	100	75	20	200	ROLLER	BZWMPUR40025/LITE	100	75	25	150	-	-	-	-		
	ROLLER	BZWMPUR400254D	100	75	20	200	ROLLER	BZWMPUR400254/LITE	100	75	25.4	150	-	-	-	-		
	-	-	-	-	-	-	ROLLER	BZWMPUR40020	100	75	20	200	-	-	-	-		
	-	-	-	-	-	-	ROLLER	BZWMPUR40025	100	75	25	200	-	-	-	-		
	-	-	-	-	-	-	ROLLER	BZWMPUR400254	100	75	25.4	200	-	-	-	-		

Wheel Retainers



Refer to page 310

Axle Diameter (mm)

20	WRDM20
25	WRDM25
25.4	WRD254

PLAIN ROLLER BALL