



**BellPlastics**

**Superflexible Nylon Mandrels**  
Rubber and rigid mandrel replacement diameters (up to 50mm / 2")



**THE BENEFITS**

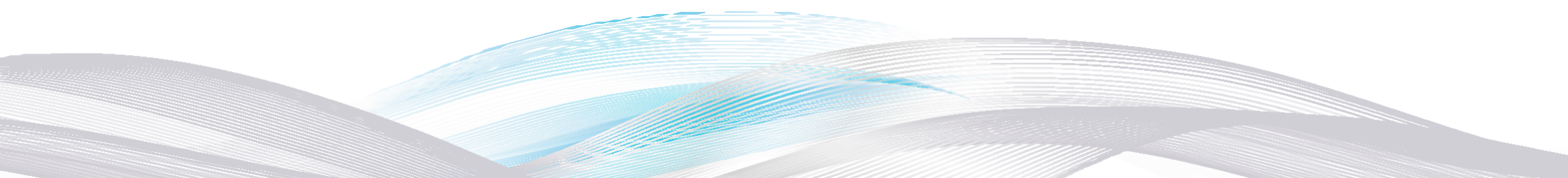
Bell Plastics Ltd is pleased to present “superflex” nylon mandrels.

Superflex nylon can enable hose manufacturers to:

- Replace rubber mandrels where flexibility is critical
- Use flexible nylon mandrels for larger diameter hose 25.0mm – 50.0mm (1” – 2”) to replace rubber or rigid mandrels, enabling long length hose manufacture
- Recycle used mandrels (either will Bell Plastics or sale of mandrels to a plastics recycler)
- Superflex nylon mandrels can be welded

**Nylon vs Rubber mandrel:**

- Longer lasting
- Improve hose i.d. quality
- Easier mandrel ejection (longer lengths)
- Weldable
- Recyclable



**Product characteristics**

Mandrel diameters: 5mm to 50mm (3/16" to 2")

Lengths: variable, dependent on diameter

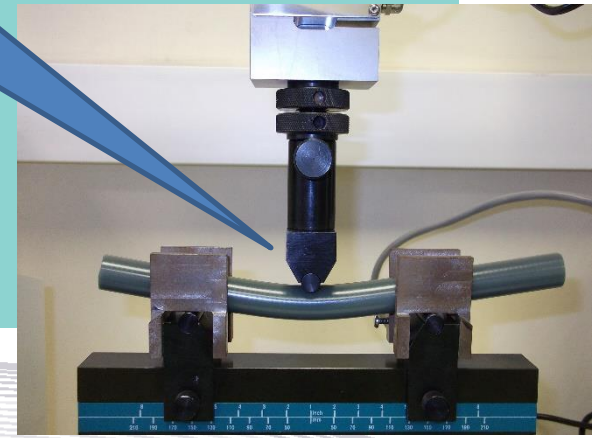
Packaging: coils or on drums



**Technical Data:**

	Superflex nylon	Standard PA6
Flexural modulus Mpa Psi	150 - 200 22,000 - 29,000	1,650 - 2,750 240,000 - 400,000
Density g/cm <sup>3</sup>	1.04	1.14
Melting point oC	208	214

Flexural Modulus  
150 – 200 Mpa



**Specification**  
 ISPN 15 Treated Wooden Drum  
 1500 x 800 x 1000 to carry weight 1500kg  
 Flange 50mm  
 6 x M12 Tie Bars, Nuts & Washers  
 50mm Drive Hole - ISO C1C  
 Standard Cable Slot  
 200mm x 200mm Plate with 83mm Centre  
 Stamped

**BellPlastics**  
 technical plastic extrusions

Version: 2  
 Date: 16 February 2016  
 Roll Size: 1500 x 800 x 1000  
 Product Code: 353 P  
 Item: Yes ISPN 15 SHEET 1 OF 1

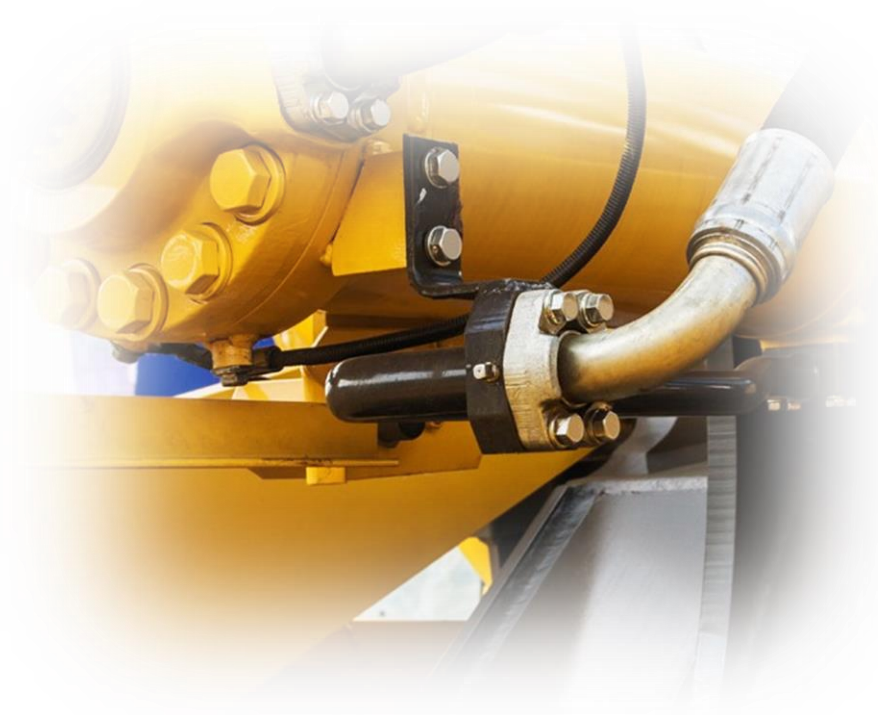
### Applications:

- Hydraulic hose
- Industrial hose
- Automotive hose

### Nylon grades available:

	Flexural Modulus	
	MPa	Psi
Superflex Nylon	150 - 200	22,000 - 29,000
Type S	310 - 360	45,000 - 52,000
Type R	400 - 620	58,000 - 90,000
Type A	400 - 620	58,000 - 90,000
Type M	1000 - 1650	145,000 - 240,000
Type K	760 - 1250	110,000 - 181,000
Type U	1650 - 2750	240,000 - 400,000

**Polypropylene, TPX, TPE and TPE mandrels also available**



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