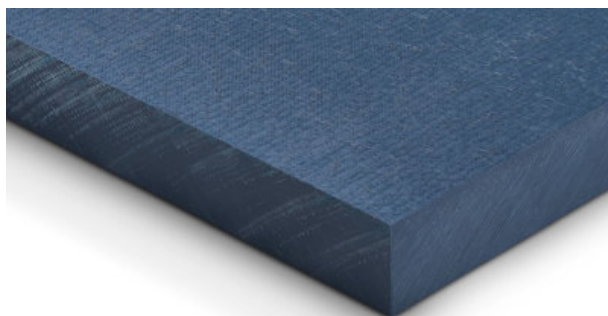


# Technical Data Sheet

## PA6 (Polyamide 6) (Metal Detectable)

### Bluegrey (WCMMDNYLONBLGR)

Density	1.24 g/cm <sup>3</sup>
Fillers	detectable filler
Main features	high toughness resistant to many oils, greases and fuels electrically insulating good wear properties good weldable and bondable good slide and wear properties high strength good machinability
Target Industries	food technology, mechanical engineering, electronics



PLASTICS

MECHANICAL PROPERTIES	PARAMETER	VALUE	UNIT	NORM
Modulus of elasticity (Tensile test)	1mm/min	3600	Mpa	DIN EN ISO 527-2
Tensile strength	50mm/min	80	Mpa	DIN EN ISO 527-2
Tensile strength at yield	50mm/min	80	Mpa	DIN EN ISO 527-2
Elongation at yield	50mm/min	4	%	DIN EN ISO 527-2
Elongation at break	50mm/min	21	%	DIN EN ISO 527-2
Impact strength (Charpy)	max. 7,5J	n.b.	kJ/m <sup>2</sup>	DIN EN ISO 179-1eU
Notched impact strength (Charpy)	max. 7,5J	4	kJ/m <sup>2</sup>	DIN EN ISO 179-1eA
THERMAL PROPERTIES	PARAMETER	VALUE	UNIT	NORM
Glass transition temperature		45	°C	DIN EN ISO 11357
Melting temperature		220	°C	DIN EN ISO 11357
Service temperature	short term	160	°C	
Service temperature	long term	100	°C	
ELECTRICAL PROPERTIES	PARAMETER	VALUE	UNIT	NORM
Specific surface resistance		> 10 <sup>13</sup>	Ω	DIN IEC 60093
OTHER PROPERTIES	PARAMETER	VALUE	UNIT	NORM
Water absorption	24h / 96h (23°C)	0.03 / 0.06	%	DIN EN ISO 62
Resistance to hot water/ bases		(+)	-	-
Resistance to weathering		-	-	-
Flammability (UL94)	corresponding to	HB		DIN IEC 60695-11-10;

All The above information is for guide purposes only. The data has been taken from standard test results provided by our manufacturers.



Certificate Number: 14352  
 ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

[www.epdm.co.uk](http://www.epdm.co.uk)

E-Mail: [Sales@epdm.co.uk](mailto:Sales@epdm.co.uk)

#### Contact

Telephone: +44 (0)1625 573971  
 FAX: +44 (0)1625 573250  
 Munsch & Co/PTM Ltd  
 Units AG2/3 Clarence Mill  
 Clarence Road, Bollington  
 Macclesfield, Cheshire  
 SK10 5JZ  
 United Kingdom