



**MEGA RECYCLING**  
AND COMPOUNDING SERVICES LLC.

**Product Data Sheet**

**MegaRe® PA66-MS2**

Type 6/6 nylon, lubricated for ease of processing and with 2% “molly” for additional wear resistance, lubricity and enhanced hardness. Ideal for molded parts wearing against metal parts.

Property	Test Method	Units	Value
			DAM
<b>Mechanical</b>			
Yield Stress	ISO 527	MPa (kpsi)	85 (12.3)
Yield Strain	ISO 527	%	5
Nominal Strain @ Break	ISO 527	%	20
Tensile Modulus	ISO 527	MPa (kpsi)	3100 (450)
Flexural Modulus	ISO 178	MPa (kpsi)	2940 (425)
Notched Charpy Impact Strength	ISO 179/1eU	kJ/m <sup>2</sup>	5
Unnotched Notched Charpy Impact Strength	ISO 179/1eU	kJ/m <sup>2</sup>	NB
<b>Thermal</b>			
Heat Deflection Temperature	ISO 75-1/-2	°C (°F)	
1.8 Mpa (264 psi)			70 (158)
0.45 Mpa (66 psi)			200 (392)
Melting Point	ASTM D 3418	°C (°F)	263 (505)
<b>Flammability</b>			
Glow wire flammability index	IEC 60695-2-12	°C	
0.71 mm			850
1.5 mm			960
3.0 mm			960
Glow wire ignition temperature	IEC 60695-2-13	°C	
0.71 mm			725
1.5 mm			725
3.0 mm			725
<b>Other</b>			
Specific Gravity	ASTM D 792		1.14
Molding Shrinkage	ISO 294-4	%	
Normal, 2.0 mm			1.3
Parallel, 2.0 mm			1.4
<b>Processing</b>			
Melt Temperature Range		°C (°F)	280-310 (536-590)
Mold Temperature Range		°C (°F)	65-120 (150-250)
Processing Moisture Content		%	<0.20

Mechanical Properties measured at 23° C

Contact Mega for MSDS, general processing guidelines and/or additional information about verification, Handling, purging, drying, etc.

Mega Recycling & Compounding Services, LLS  
Phone (815)-230-0092  
www.megarecyclingllc.com

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since Mega cannot anticipate all variations in actual end-use conditions, Mega makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe and particular rights. Caution: Do not use this product in medical applications involving permanent implantation in the human body.