



MEGA RECYCLING
AND COMPOUNDING SERVICES LLC.

Product Data Sheet

MegaRe® PA66-100L-BK

MegaRe® 100L is a general purpose, lubricated, polyamide 6/6 molding resin used for injection molding applications.

Property	Test Method	Units	Value
			DAM
Mechanical			
Yield Stress	ISO 527-2	MPa (kpsi)	82 (11.9)
Strain @ break	ISO 527-2	%	40
Tensile Modulus	ISO 527-2	MPa (kpsi)	3100 (450)
Flexural Modulus	ISO 178	MPa (kpsi)	2800 (410)
Notched Charpy Impact Strength	ISO 179/1eA	kJ/m ²	
-30 °C (-22 °F)			4.5
23 °C (73 °F)			5.5
Thermal			
Heat Deflection Temperature	ISO 75-2/A	°C (°F)	
.45 MPa (66 psi)			200 (395)
1.8 Mpa (264 psi)			70 (160)
Melting Point	ISO 11357-3	°C (°F)	263 (505)
Physical			
Specific Gravity	ISO 1183	g/cm ³	1.14
Molding Shrinkage	ISO 294-4	%	1.5 -3.0
Processing			
Melt Temperature Range		(°F)	505-520
Processing Temperature Range		(°F)	(530-580)
Processing Moisture Content		%	<0.20

Mechanical Properties measured at 23° C
Contact Mega Recycling LLC. for MSDS, general processing guidelines and/or additional information about verification, Handling, purging, drying, etc.

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