



MEGA RECYCLING
AND COMPOUNDING SERVICES LLC.

Product Data Sheet

MegaRe® PPA GF30-BK

MegaRe® PPA GF30-BK is a reprocessed 30% Glass Reinforced PPA (polyphthalamide) that is heat stabilized. Used primarily for injection molding, this PPA has a high heat deflection temperature, flexural modulus, and exceptionally high tensile strength.

Property	Test Method	Units	Value
			DAM
Mechanical Yield Stress Strain @ break Tensile Modulus Flexural Modulus Notched Charpy Impact Strength -30 °C (-22 °F) 23 °C (73 °F)	ISO 527-2 ISO 527-2 ISO 527-2 ISO 178 ISO 179/1eA	MPa (psi) % MPa (psi) MPa (psi) kJ/m2	233 (33,800) 2 12,800 (1.9E+6) 11,800 (1.6E+6) 3.5 8.5
Thermal Heat Deflection Temperature 1.8 Mpa (264 psi) Melting Point	ISO 75-2/A ISO 11357-3	°C (°F) °C (°F)	270 (550) 310 (600)
Physical Specific Gravity Molding Shrinkage	ISO 1183 ISO 294-4	g/cm3 %	1.46 .5 –to-.9
Processing Melt Temperature Range Mold Temperature Range Processing Moisture Content Drying Temp		°C (°F) °C (°F) % °C (°F) 4-hours	300-325 (585 – 610) 125-145 (250-280) <0.20 120-C (250-F) 4-hours

Mechanical Properties measured at 23° C

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

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