



# ROYAL GLOBAL ENERGY

RGE's core business Oil, Gas, Refining and Petrochemicals

Product Name: Polypropylene			
Property	Test	Unit of Measure	Value
Density	ASTM D792	g/cm <sup>3</sup>	0.95
	ASTM D792	lb./in <sup>3</sup>	0.034
Water Absorption, 24 hrs, Immersion	ASTM D570	% By wt.	<.01
Tensile Strength	ASTM D638	psi	4,800
Tensile Modulus	ASTM D638	psi	195,000
Tensile Elongation at Break	ASTM D638	%	400
Flexural Strength	ASTM D790	psi	7,000
Flexural Modulus	ASTM D790	psi	180,000
Compressive Strength	ASTM D695	psi	7,000
Hardness	ASTM D785	NA	Shore D78
IZOD Impact-Notched	ASTM D256	ft-lb/in	1.2
Coefficient of Linear Thermal Expansion	ASTM D696	x 10 <sup>-5</sup> in./in./°F	6.2
Heat Deflection Temp	ASTM D648	°C at 264 psi	52
	ASTM D648	°F at 264 psi	125
Max Continuous Operating Temp	ASTM D648	°C	82
		°F	180
Minimum Operating Temp	ASTM D648	°C	-10
		°F	14
Melting Point Temp	ASTM D3418	°C	164
	ASTM D3418	°F	327