



ERC PELLETS

HMW 4-7



The table below summarizes the main properties of this repro HMWPE resin grade.

Resin Pellets

<i>Material Code</i>	<i>Property</i>	<i>Method</i>	<i>Value</i>
<i>HMW1P0.09-R2</i>	<i>Density (gr/cm³)</i>	<i>ASTM D792</i>	<i>.945-.960</i>
	<i>High load melt index (gr/ 10 min.)</i>	<i>ASTM D1238 (190⁰C/21.6Kg)</i>	<i>4-7</i>
	<i>Izod Impact notched (J/M)</i>	<i>ASTM D256</i>	<i>900-1,000</i>
	<i>Izod (ft-lb/ in)</i>		<i>10-20</i>
	<i>Flexural Modulus (psi)</i>	<i>ASTM D790</i>	<i>80,000-100,000</i>
	<i>Tensile Modulus (psi)</i>	<i>ASTM D638</i>	<i>70,000-100,000</i>
	<i>Elongation at break (70)</i>		<i>300-400</i>
	<i>Environmental Stress-Cracking of Ethylene Plastics</i>	<i>ASTM D1693-01</i>	<i>100% Pass</i>
	<i>Ash Content/ Filler Content</i>	<i>ASTM D5630</i>	
	<i>DSC(Melting point)</i>		<i>0.7-0.90</i>
<i>PE content</i>	<i>ASTM 3418</i>	<i>130-135⁰C >99.5% PE</i>	

In order to improve our products, changes to the specifications can occur

