

**High density polyethylene  
(HDPE)****I-1561**  
**Shurtan GCC, Uzbekistan****PROPERTIES**

<b>Description</b>	I-1561 is characterized by a narrow molecular weight distribution. Available in the form of granules.		
<b>Applications</b>	Injection molding: for manufacturing grates, totes, boxes, etc.		
<b>Melt Flow Index</b> (192 °C @ 2.16)	g/10min	<b>13-18</b>	ASTM D1238
<b>Density</b>	g/cm <sup>3</sup>	<b>0.961</b>	ASTM D792
<b>Tensile Strength</b> (Yield)	MPa	<b>26</b>	ASTM D638 (D882-Film)
<b>Tensile Strength</b> (Break)	MPa	-	ASTM D638 (D882-Film)
<b>Elongation at Break</b> MD/TD	%	<b>500</b>	ASTM D638 (D882-Film)
<b>Izod Impact Strenght</b>	J/m	<b>18</b>	ASTM D256
<b>Shore hardness</b>	Shore D	<b>65</b>	ASTM D2240
<b>VICAT Softening Point</b>	°C	<b>128</b>	ASTM D1525
<b>ESCR</b>	hr	<b>10</b>	ASTM D1693/B
<b>Flexural modulus</b>	MPa	<b>1280</b>	ASTM D790

*These are typical properties: not to be construed as specification.*