



## Typical HDPE/LLDPE Property Chart

Grade	MFI (I <sub>2</sub> , 190 <sup>0</sup> C) (g/10 min) ASTM D 1238	Density (g/cc) at 23 <sup>0</sup> C ASTM D 1505	Tensile Strength @Break (Kg/cm <sup>2</sup> ) (MD/TD) ASTM D 882	Elong. @ Break (%) (MD/TD) ASTM D 882	Tear Strength (g/25u) (MD/TD) ASTM D 1922
F20S010I	0.9	0.920	380/270	650/750	75/250
F20A010I	0.9	0.920	380/270	650/750	75/250
F22S025I	2.4	0.921	300/250	500/800	50/250
F22A025I	2.4	0.921	300/250	500/800	50/250
<b>LLDPE Rotational Moulding</b>					
Grade	MFI(I <sub>2</sub> , 190 <sup>0</sup> C) (g/10 min) ASTM D 1238	Density (g/cc) at 23 <sup>0</sup> C ASTM D 1505	Tensile Strength @Yield (Kg/cm <sup>2</sup> ) ASTM D 638	Elong. @ Yield (%) ASTM D 638	Flexural Modulus (Kg/cm <sup>2</sup> ) ASTM D 790
R38A040I	4.5	0.938	180	16	6000
R38U040I	4.5	0.938	180	16	6000
<b>HDPE Injection Moulding</b>					
Grade	MFI(I <sub>2</sub> , 190 <sup>0</sup> C) (g/10 min) ASTM D 1238	Density (g/cc) at 23 <sup>0</sup> C ASTM D 1505	Tensile Strength @Yield (Kg/cm <sup>2</sup> ) ASTM D 638	Elong. @ Yield(%) ASTM D 638	Flexural Modulus (Kg/cm <sup>2</sup> ) ASTM D 790
I58A080I	8.4	0.960	280	10	12000
I58U080I	8.4	0.960	280	10	12000
I52A180I	20	0.952	240	12	9000
<b>LLDPE Extrusion Coating</b>					
Grade	MFI(I <sub>2</sub> , 190 <sup>0</sup> C) (g/10 min) ASTM D 1238	Density (g/cc) at 23 <sup>0</sup> C ASTM D 1505	Tensile Strength @break (Kg/cm <sup>2</sup> ) ASTM D 882 MD/TD	Elong. @ Break (%) ASTM D 882 MD/TD	Flexural Modulus (Kg/cm <sup>2</sup> ) ASTM D 790
E30A060I	7	0.922	240/200	600/700	-
<b>HDPE Raffia &amp; Monofilament</b>					
Grade	MFI (I <sub>2</sub> , 190 <sup>0</sup> C) (g/10 min) ASTM D 1238	Density (g/cc) at 23 <sup>0</sup> C ASTM D 1505	Tensile Strength @Yield (Kg/cm <sup>2</sup> ) ASTM D 638	Elong. @ Yield (%) ASTM D 638	Flexural Modulus (Kg/cm <sup>2</sup> ) ASTM D 790
W54A009I	0.9	0.954	250	11	9000