

Test Report Data Sheet

Material Type: Jacketing HDPE

AGIPC Material Testing Lab			
High Density Polyethylene (Black) 6B			
Item	Result	Test Method	Unit
<i>Melt Flow Index</i>	0.5±0.1	ASTM D1238	g/10min
<i>Density</i>	0.944±0.002	ASTM D792	g/cm ³
<i>Ultimate Tensile Strength</i>	30±2	ASTM D638	N/mm ²
<i>Elongation At Break</i>	950±50	ASTM D638	%
<i>Retention of mechanical properties after aging 48hours at 100 °C</i>	95±3	ASTM D638	%
<i>Brittleness Temperature</i>	-50±10	ASTM D746	°C
<i>ESCR</i>	>48	ASTM D1693	hours
<i>OIT</i>	40±5	ASTM D3895	min
<i>Carbon Black Content</i>	2.5±0.5	ASTM D2951	hours
<i>Carbon Black Dispersion</i>	2	823A or 823B of BS 2782	---

Application

- Jacketing optical fiber