

“PIG’S TAIL™” PROTECTIVE WRAPPING
DATA SHEET
TYPICAL PROPERTIES

The raw material from which “Pig’s Tail™” is produced, is manufactured from molecular weight extrusion grade polyethylene. The product exhibits extremely good environmental stress crack resistance (ERS) and conforms with the Australian Standard AS2070 – plastic material for food consumption use.

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Density	ASTM D 1505	g/cm ³	0.954
Melt index			
- 2,16kg	ASTM D 1238	g/10 min	0.1
- - 5,0kg	ASTM D 1238	g/10 min	0.56
- Carbon Black Content	ASTM D 1603	%	2~2.5
Tensile Properties	ASTM D 638 (IV)		
Tensile strength at yield (min)		kg/cm ²	230
Tensile strength at break (min)		kg/cm ²	300
Elongation at break (min)		%	500
Flexural modulus	ASTM D 790	kg/cm ²	8800
Environmental Stress Crack Resistance	ASTM D 1693	hr	1000
Condition B, F50(min)			
Hardness(min)	ASTM D 2240	shore “D”	63
Impact strength (Izod, method A, min)	ASTM D 256	kg-cm/cm	30
Brittleness temp. (min)	ASTM D 746	°C	-75
Vicat softening temp.	ASTM D 1525	°C	123
Oxidative Induction Time at 200°C	ISO / TR 10837	%	16
Modulus of Elasticity	ASTM D 790	min	40
Thermal conductivity	ASTM D 177	Watt/m°C	0.4
Coef. of liner thermal expansion	ASTM D 696	1°C	0.00013
Specification data			
Material Classification	ASTM D 1248	-	III C 5 P34
Cell Classification	ASTM D 3350	-	345434(PE3408)

These are typical values for compression moulded specimens; the properties of these materials in extruded pipe form, or as moulded fittings will vary slightly in each individual case owing to morphological differences arising from the different processing methods.