

## Technical Data Sheet

### Arsalene-I 19011

**Product Type:** High Density Poly Ethylene

**Product Description:** Arsalene-I 19011 is a black, high density polyethylene (HDPE) suited for blow molding. It is characterized by its excellent ESCR, easy processing, and excellent impact resistance.

Property	Test Method	Test Condition	Value	Unit
<b>General Properties</b>				
Material	HDPE			
Process Method	Blow Molding			
Color	Black			
<b>Physical Properties</b>				
Density	ASTM D 792	(23 °C)	0.918	g/cm <sup>3</sup>
Ash/Filler/ TD Content	ASTM D 5630	(600 °C)	0	%
Melt Flow Index	ASTM D 1238	190 °C-2.16 kg	0.169	gr/10min
Melt Flow Index	ASTM D 1238	190 °C-21.6 kg	14	gr/10min
<b>Mechanical Properties</b>				
Tensile Strength at Break	ASTM D 638	(50 mm/min)	21.5	MPa
Tensile Strength Yield	ASTM D 638	(50 mm/min )	18.5	MPa
Tensile strain at Break	ASTM D 638	(50 mm/min )	529	%
Tensile strain at Yield	ASTM D 638	(50 mm/min )	22	%
Izod Impact Strength	ASTM D 256	Notched at 23°C	N.B.	KJ/m <sup>2</sup>
<b>Ageing Properties</b>				
ESCR	ASTM D 1693	50 °C, Cond. A: 10% Igepal Co-630	1000<	hr

- All mentioned information in this technical data sheet present current knowledge and experience of Arsam. Naturally, these data do not guarantee certain values since may vary on customers processing conditions, so they are provided for reference purposes only and should not be used alone to create specification limits and design basis.