



# Technical Data Sheet

## ABBL2 (Black Color)

PERSIAN GULF POLYMER

### Description

A post-consumer recycled Acrylonitrile-Butadiene-Styrene (ABS) copolymer is an easy flow, general purpose, injection molding grade with high resistance to impact and heat deflection.

It is intended for a wide range of applications, particularly in consumer products, telecommunications, home appliances and automotive components.

Available in standard black.

### Material Properties

	Value	Unit	Test Method
<b>Physical &amp; Mechanical Properties</b>			
Density (23°C)	1.06	g/cm <sup>3</sup>	ASTM D792
E-Modulus (23°C)	4300	N/mm <sup>2</sup> (MPa)	ASTM D638
Tensile Strength at Yield (23°C)	43	N/mm <sup>2</sup> (MPa)	ASTM D638
Tensile Strength at Break (23°C)	38	N/mm <sup>2</sup> (MPa)	ASTM D638
Flexural Modulus (23°C)	2100	N/mm <sup>2</sup> (MPa)	ASTM D790
Flexural Strength at Yield (23°C)	60.2	N/mm <sup>2</sup> (MPa)	ASTM D790
Hardness Shore D	79	-	ASTM D2240
<b>Rheological</b>			
Melt Flow Index (220 °C/10 kg)	32	g/10min	ASTM D1238
<b>Impact</b>			
Notched Izod Impact (23°C)	10	KJ/m <sup>2</sup>	ASTM D256
<b>Thermal Properties</b>			
HDT (0.45 MPa)	88	°C	ASTM D648

#### Note:

The data above is provided in good faith and represents typical properties based on our current knowledge and experience. Product properties may be changed without notice. These properties are provided as a guide and should not be construed as binding specification limits or minimum values.

