

## Product Code: CO31100

### Product Type:

CO31100 is a Gray ABS compound.

### Product Description:

This grade contains anti-UV additives and is designed to process in injection molding techniques.

### Product Application:

This compound is used in home applicant such vacuum cleaner, washing machine cover and Refrigerator door cap, electronic and electrical parts, & etc.

### Product Properties:

Property	Test Method	Test Condition	Value	Unit
Melt Flow Index	ASTM D 1238-10	(220 C°, 10 kg)	20±1	gr/10min
Pellet size	BCS METHOD	(25 °C)	30-40	Pieces/g
Moisture content	ASTM D 789	105 °c, 1 hr	Max 0.2	%
Tensile Strength	ASTM D 638	(50mm/min)	40±2	MPa
Tensile strain at Break	ASTM D 638	(50mm/min)	11±1	%
Izod Impact strength	ASTM D 256	Notched at 23 C°	215±10	j/m
CIE96 L*a*b*	ASTM D 2244	Standard Sample	$\Delta E \leq 0.5$	-

### Processing Conditions:

The following injection molding conditions are recommended starting point for CO31100:

Rear Temp (°c)	Center Temp (°c)	Front Temp (°c)	Nozzle Temp (°c)
210	220	220	220

### Product Packaging & Storage:

The packing is 25KG per bag, laminated moisture proof woven bag. Keep the product in cool & dry place. Away from the direct sunlight, high temperature and rain pour.

All mentioned information in this paper are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any data given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

#### Central Office:

No. 23, 10th Western Alley, Ahmad Qasir St. (Bokharest), Argentina Square, Tehran/Iran

Postal Code: 1514748417

Tel: 009821- 58462000 Email: Info@holding-bcs.com Website: www.holding-bcs.com

