



PRODUCT DATA SHEET

PVC Compound

Grade: 158 ST2-GRS FR

PHYSICAL PROPERTIES:

Property	Unit	Test Method	Specification	Typical Value
Compound Type	-	-	ST2 70 ⁰	ST2 70 ⁰
Colour	-	-	Black	Black
Sp. Gravity @27°C	-	ASTM - D - 792	1.58±0.03	1.59
Hardness	Shore A	ASTM D 2240	94±3	96
Thermal Stability@200°C	Minutes	IS : 10810 (60)	100 Min.	≥ 140
Tensile Strength (TS) @27°C	MPa	IS : 10810 (7)	12.5 Min	≥ 14.3
Elongation at Break (E.B) @27°C	%	IS : 10810 (7)	200 Min	≥ 228
Ageing Test	Temperature	-	80°C	80°C
	Duration	-	168 Hrs.	168 Hrs.
Variation of T.S	%	IS : 10810 (11)	±25	PASS
Variation of E.B	%	IS : 10810 (11)	±25	PASS
Mass Loss on Ageing	mg/cm ²	IS : 10810 (10)	1.50 Max	PASS
Volume Resistivity @27°C	Ohm - cm	IS : 3396 / 79	≥ 1x10 ¹⁴	PASS
Limited Oxygen Index	%	ASTM - D - 2863	29 Min	30
GRS Compliance	-	-	YES	YES

PROCESSING CONDITIONS:

- The above properties are indicative and represent the values as tested in our laboratory on compression moulded sheet.
- Suitability of the Product for particular application may be verified before use.
- It is recommended to dry the compound @ 70 ± 10°C for better processability.
- Typically the following process condition is used:

Zone 1	Zone 2	Zone 3	Zone 4	Head	Die
130±10°C	140±10°C	150±10°C	160±10°C	165±10°C	170±10°C

ORIGIN:

India



STANDARD PACKAGING:

25kg Bags without Pallets

STORAGE RECOMMENDATION:

- It can be stored for 180 days from date of manufacturing, if stored in unopened original packages, under dry and clean environment at temperatures between 10-35°C.
- Material shelf life is affected by the storage environment and extreme conditions influence the general material quality and performance base on our experience.
- It is also recommended to ensure proper stock rotation by First In – First Out rule (FIFO).

The information given in this document is only a recommendation, believed to be reliable, and is given in good faith but without warranty. Our advice does not release users from the obligation of checking its validity. The user should test the product to ascertain the suitability for the intended use. Specified properties mentioned in this document are based on our historical production performance and these properties or the whole document is subject to change without any prior notice, at our sole discretion. We are under no obligation to recall earlier issued documents.