

SANKHLA INDUSTRIES

Technical Specification of PVC Compound

Grade: NTC 55

Description: NTC 55 is Non toxic soft grade for injection moulding applications. It is formulated with carefully selected PVC resins, Plasticizers, Stabilizers & other additives.

Properties	unit	Test Method	SI 3199 Specification	Typical value *
Specific gravity	-	ASTM D 729	1.20 ± 0.02	1.20
Shore hardness	"A"	ASTM D 2240	56 ± 2	56
Before Ageing				Typical value**
Tensile strength	N/mm ²	IS 10810 Part 7	6 (min)	10
Elongation at break	%		150 (min)	320
Thermal Stability @ 200 °C ± 0.5 °C	Minutes	IS 10810 Part 60	15 (min)	> 15

* Data evaluated on 25x25x4mm thick compression moulded block.

** Data evaluated on extruded sleeve of thickness between 0.8 – 1.2 mm / 1- 2 mm thick sheets.

Processing Techniques: NTC 55 can be processed on any good PVC injection moulding with a temperature range of 130°C - 160°C and preheating the same up to 70°C is recommended to avoid moisture bubbles on end products.

Package Storage & Handling: NTC 55 pellets should be packed in airtight laminated plastic bags of 25 Kg net weight and stored in a cool & dry place away from sunlight. Use of gloves and nose mask is recommended during manual handling.

Safety: NTC 55 does not undergo hazardous decomposition under normal storage conditions. Static charges may be generated by conveying PVC pellets &, therefore, the conveying systems should be properly grounded.

Spillage: Vacuum cleaning.

Disposal: Waste PVC pellets should be disposed in accordance with local regulations. The product is intended for industrial use only MSDS is available on request.

Disclaimer: The above test results should be used only as a guideline. The material performance depends on different conditions of processing and fabrication. Consequently, users are advised to establish for themselves that the material is suitable for their end product requirements.

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