

## TECHNICAL DATA SHEET (TDS)

**Product:** PVC Compound – Auto Mat Range

**Manufacturer:** Pragya Polymers

**Grade:** AM-V75 – Value

**Application:** Automotive Floor Mats & Utility Interior Components

### Product Overview

A cost-optimised flexible rPVC compound for automotive floor mats and utility interior components where consistent mechanical performance and processability are required at competitive cost. Produced from rigorously screened PVC scrap with controlled formulation to ensure stable processing and reliable end-use performance.

Property	Test Method	Typical Value	Unit
Density @ 23°C	ASTM D792	1.30 ±0.03	g/cm <sup>3</sup>
Hardness	ASTM D2240	80 ±5	Shore A
Tensile Strength	IS 4667 / ASTM D412	≥9.0	MPa
Elongation at Break	IS 4667 / ASTM D412	≥250	%
Tear Strength	ASTM D624	≥25	kN/m
Abrasion Resistance (DIN)	DIN 53516	≤180	mm <sup>3</sup>
Cold Flex Temperature	ASTM D1043	≤ -15	°C
Heat Ageing (100°C×168h) – TS Retention	ASTM D573	≥70	%
Heat Ageing (100°C×168h) – Elong. Retention	ASTM D573	≥65	%
MFI (190°C / 10 kg)	ISO 1133	8–20	g/10 min
Colour Uniformity	Visual	Consistent lot-to-lot	–

### Processing Guide

Single-screw or twin-screw extruder. Barrel temperature: 155–175°C; Die temperature: 172–182°C. Calendering suitable at roll temp 158–168°C. Material is supplied dry; storage in sealed bags recommended. Suitable for high-throughput lines with standard screw geometry.

### Compliance & Disclaimer

*Lead-free formulation. Compliant with RoHS Directive 2011/65/EU. Typical values are indicative only and not to be construed as specifications. Customer is responsible for validating suitability for their specific application and process.*