

Technical Data Sheet

APPCOM
Polyolefin Compounds
Mineral Filled
High Impact
Automotive Exterior

APPCOM 8082

Advanced Polyolefin Compound

Application

Bumper & Mudguard

Characteristics

High Impact resistance

UV Stabilized

Superior flow



Typical Properties for APPCOM 8082

	PROPERTIES	TEST METHOD	CONDITION	UNIT	VALUE
PHYSICAL	FILLER CONTENT	ASTM D5630	800°C	%	10 ± 2
	MELT FLOW INDEX	ASTM D1238	230°C	gm/10 min	20 ± 2
	DUROMETER HARDNESS	ASTM D2240	23°C	Shore D	66 ± 3
MECHANICAL	TENSILE STRENGTH @ YIELD	ASTM D638	23°C	kgi/cm ²	≥ 200
	ELONGATION @ BREAK	ASTM D638	23°C	%	≥ 200
	FLEXURAL MODULUS	ASTM D790	23°C	kgi/cm ²	≥ 14500
	IZOD IMPACT (NOTCHED)	ASTM D256	23°C	Kg-cm/cm	NB/PB
THERMAL	HDT @ 0.45 MPa	ASTM D648	23°C	°C	≥ 110

Values are taken after 48hrs condition, Room Temperature at 23°C and 50% relative Humidity.

- Processing Guidelines:

The injection temperature profile for above grade should be between 190°C to 230°C and the mould temperatures between 40°C to 60°C.

We recommended that the pellet should be dried for 1 to 2 hours at 80°C to avoid moisture linked problem during processing.

APPL Industries Limited

279 (1&2), Village Mann, Hinjewadi, Pune
 Phone: +91 20 22939180
 E-Mail: rtc@applindustries.com
 Web: www.applindustries.com

- Health and Safety:

The material may cause irritation when exposed to naked skin. Person is advised to wear protective gear before handling.

Material should be stored in clean and dry conditions with temperatures below 30°C

Packaging : 25 kg packed in woven sacks bag.

- Disclaimer

All the information given by APPL for use of these materials is given in good faith and to the best of our knowledge. The data, information, suggestion contained herein are given purely as guide. APPL does not guarantee the exact replication of the data by users since plastic testing is affected by a number of extraneous factors.

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