

Product Data Sheet

SUMITOMO POLYPROPYLENE COPOLYMER

AR764

Block Copolymer, Injection Moulding

Applications	For industrial applications such as crates, pails and containers, thin wall packaging, washing machine parts, electrical appliances, household appliances, etc.
Characteristics	High flow, high impact, high stiffness and high heat stability, with nucleating and antistatic agent.
Typical Processing Conditions	Extrusion temperature : 190°C - 230°C Mould temperature : 20°C - 70°C

Typical Properties

Physical		Value	Unit	Method
Melt Flow Rate	2.16kg	25.0	g/10min	ASTM D1238
Density		0.900	g/cm ³	ASTM D792-A
Mechanical		Value	Unit	Method
Tensile Strength	at Yield	26	MPa	ASTM D638
	at Break	17	MPa	ASTM D638
Flexural Modulus		1430	MPa	ASTM D790
Izod Impact, Notched	23°C	9	kJ/m ²	ASTM D256
	-20°C	6	kJ/m ²	ASTM D256
Rockwell Hardness		91		ASTM D785
Thermal		Value	Unit	Method
Vicat Softening Temperature	10N	151	°C	ASTM D1525
Heat Deflection Temperature	0.45MPa	124	°C	ASTM D648
Other		Value	Unit	Method
Shrinkage	MD / TD	1.4 / 1.7	%	Sumika
Flamability		HB		UL94

The values shown are typical values measured on the product and are not to be considered as guaranteed specifications, actual test results may vary
Test pieces preparation condition : as per ASTM D4101

Manufacturer

AR764 is manufactured in Saudi Arabia by Rabigh Refining & Petrochemical Co. (Petro Rabigh). Petro Rabigh is an ISO 9001, ISO 14001, and ISO 45001 certified company.

Regulatory Compliances

Unmodified AR764 complies with the requirements of,

- US FDA Regulation 21 CFR 177.1520 and its amendments
- Regulation (EC) 1935/2004/EC (Framework), EU Commission Regulation 10/2011 (PIM), Commission Regulation (EC) No.2023/2006 (GMP), and their respective amendments

Please contact your nearest SCA representative for more information.

Restriction of Hazardous Substances

The substances regulated under EU Directive 2011/65/EC, and its amendments, on RoHS in electrical and electronic equipment are not used in the manufacturing process, and are therefore not expected to be present in the product.

Storage and Handling

AR764 is supplied in 25kg bags or in bulk containers. It is advisable to store in a well-ventilated storage facility, protected from rain, direct exposure to sunlight, temperature, and dust.

Moisture may accumulate inside the packaging if there is a significant fluctuation in ambient temperature and high relative humidity. If this occurs, customer is strongly advised to dry the resin prior to use. Direct exposure to sunlight and excessive ambient temperature may affect the properties, appearance, and odour characteristic of the resin.

It is recommended to process AR764 within 6 months upon receipt.

Please refer to the Safety Data Sheet (SDS) for information regarding industrial health and safety issues.

Disposal and the Environment

SCA prioritises environmental management in all our operations in responsibility and respect towards the community and the environment.

Unmodified AR764 is readily recyclable, both for reuse via reprocessing and for energy reclamation through incineration. If disposed in landfills, our products, which are inert materials, do not pose pollution risks since they do not generate gaseous or liquid emissions.

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