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POLYPROPYLENE RANDOM COPOLYMER PA14D



Trademark:

Manufacturer: PETROCHINA DAQING REFINING & CHEMICAL COMPANY

Overview: Random copolymer polypropylene produced by the Spheripol tubular liquid-phase bulk process

The implementation standard: Q/SY QL0124-2020

Technical Specification:

No.	Mechanical Properties	Typical Value	Test Method
1	MFR (2.16kg), g/10min	0.26	GB/T 3682.1
2	Flexural modulus, MPa	711	GB/T 9341
3	Tensile strength at yield, MPa	24.7	GB/T 1040.2
4	Charpy impact strength (23°C), KJ/m ²	68	GB/T 1043.1
5	Yellow index	-2.6	HG/T 3862
6	Oxidation Induction Time (OIT) (210°C, Aluminum Dish)	43	GB/T 19466.6
7	DSC Melting Temperature, °C	143	GB/T 19466.3

Note: The above values are typical and should not be construed as performance guarantees.

Applications: Pipe products feature excellent processing performance, high-temperature creep resistance, and long-term aging resistance, making them suitable for producing hot and cold water pipes, as well as industrial water supply and drainage systems.

Recommended processing application conditions: When using PA14D for pipe products, the recommended processing conditions are as follows:

Feed zone temperature °C	Compression Zone Temperature °C	Metering Zone Temperature °C	Die Temperature °C	Screw Speed r/min	Haul-off Speed m/min
150~170	170~190	190~210	210~230	36	15~20

Packages, Storage and Transportation:

1. The product is packaged in PE heavy-duty film or other forms approved by the customer, with a net weight of 25 kg per bag or other specified units.

2. The packaging should be kept intact to avoid water damage, exposure to direct sunlight, contamination, etc.

Safety Storage Precautions: It should be stored in a warehouse that is ventilated, dry, clean and equipped with good fire-fighting facilities. Open-air stacking is strictly prohibited.

Other Information: For compliance information (such as FDA, RoHS, etc.), please contact your local sales representative for detailed documentation.