POLYETHYLENE HDPE JHMGC100S

Product trademark: 昆仑 KunLun

Manufacturer: PETROCHINA JILIN PETROCHEMICAL COMPANY

Overview: High-density polyethylene produced by the HOSTALEN low-pressure slurry process

Applicable Standard： Q/SY 03679-2020

Technical Specifications:

No	Analysis Item	Typical Value	Test Method
1	MFR（5.00kg），g/10min	0.23	GB/T 3682.1
2	Density，g/cm^3	0.949	GB/T 1033.2
3	Tensile strength at yield，MPa	22.0	GB/T 1040.2
4	Nominal strain at tensile break，%	697	GB/T 1040.2
5	Notched Charpy Impact Strength（23℃），KJ/m^2	29.6	GB/T 1043.1
6	Volatile content，mg/kg	85.5	GB/T 15558.1
Note: The above values are typical values and shall not be considered as performance guarantees.			

Product Features and Applications: Pipe products with a bimodal molecular weight distribution, good processing performance, rigidity-toughness balance, and excellent resistance to environmental stress cracking. The product has passed the PE100 grade certification and can be used for manufacturing high-grade pressure-bearing pipelines.

Recommended Processing Conditions:

When JHMGC100S is used for pipe products, the recommended processing conditions are as follows.

Barrel temperature	Adapter zone temperature	Die head temperature
190～230℃	200～230℃	210～230℃
Note: The above processing conditions are for reference only. Users should adjust them according to the requirements of the products, production equipment conditions, and process formulations.		

Packaging and Transportation:

1. The product is packaged using heavy-duty film, PP woven bags or other packaging forms approved by the user, with a net weight of 25 kg per bag or other packaging units as specified.
2. The packaging must remain intact and protected from moisture, direct sunlight, and contamination.

Safe Storage Precautions:

Store the product in a well-ventilated, dry, clean warehouse equipped with appropriate fire safety facilities. Outdoor storage is strictly prohibited.

Additional Information:

For compliance-related details (e.g., FDA, RoHS), please contact your local sales representative for further information.