

PP H020 GP
Propylene homopolymer

Licensed Spheripol process of the LyondellBasell company

• DESCRIPTION

PP H020 GP is a bimodal structure propylene homopolymer with a standard stabilization formulation providing thermal stability, corrosion resistance and resistance to thermo-oxidative aging.

• RECOMMENDED FIELD OF APPLICATION

PP H020 GP is designed for processing by extrusion, injection molding. It is used as a basis for the production of compounds.

• TYPICAL PROPERTIES OF THE PRODUCT

NAME OF THE QUALITY INDICATOR	TEST CONDITIONS	NORMATIVE DOCUMENT FOR TEST	TYPICAL VALUES*
Physical properties			
Melt flow rate, g/10 min	(230°C/2,16kg)	ISO 1133 or GOST 11645	2.1
Material density, g/cm ³	(+23°C)	ISO 1183	0.9
Bulk density, g/cm ³	(+23°C)	ISO 60 or GOST 11035.1	0.52
Mechanical properties			
Tensile yield stress, MPa	(50mm/min)	ISO 527 or GOST 11262	34
Tensile strain at yield, %	(50mm/min)	ISO 527 or GOST 11262	10
Modulus of elasticity in flexure, MPa	(2mm/min)	ISO 178 or GOST 9550	1400
Notched Izod impact strength, kJ/m ²	(+23°C)	ISO 180 or GOST 19109	4.6
Thermophysical properties			
Vicat softening temperature, °C	(10N)	ISO 306 or GOST 15088	155
Thermal deformation temperature, °C	(0.45 MPa)	ISO 75001 or GOST 12021	95

* Typical values; not for specification purposes.

• PRODUCT FORM

Granules

• PACKAGING

Packed in polyethylene bags (net weight of the bag (25,0±0,2) kg). The neck of the bag is brewed by machine method, the bags are palletized on flat pallets weighing 1.25 t or 1.375 t and packed in a stretchable film (stretch hood).

• TRANSPORTATION

By all modes of transport in covered vehicles in accordance with acting rules of carriage of goods by this type of transport.

• STORAGE

Polypropylene is stored in closed dry premises, excluding direct sunlight, at a distance of not less than one meter from the heating devices, at a temperature not higher than 30 °C and relative humidity - not more than 80 %.

Before processing, the bags with the polymer are kept for at least twelve hours in the production premise.

Developed: August 2019

The information contained herein is accurate in accordance with our knowledge and experience at the date of development. The manufacturer/seller makes no warranties or representations as to the accuracy or completeness of the information contained herein and assumes no responsibility for the consequences of its use or in the case of any typographical errors. The customer is solely responsible for the intended use of our products. Our products are intended for sale to industrial and commercial customers. It is the responsibility of the customer to test our products to determine their suitability to meet the specific purpose of the customer. The customer is also responsible for the processing of our products, their proper, safe and legally sound use.

**Limited liability company "Omsk polypropylene plant "(LLC
"Poliom")
644035, Russia, city of Omsk, Krasnoyarskiy highway, bld.
137
Tel.: 8 (3812) 79-02-07
Fax: 8 (3812) 66-86-44
E-mail: info@poliom-omsk.ru**