

PP H040 GP
Propylene homopolymer

Licensed Spheripol process of the LyondellBasell company

• DESCRIPTION

PP H040 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 H040 GP is designed for the manufacture of general purpose products; raffia.

• 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	4.0
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	33
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	1300
Notched Izod impact strength, kJ/m ²	(+23°C)	ISO 180 or GOST 19109	4.3
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.

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137
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