Полиом

Product technical data

PP H030 GP (Moplen HP500J)

Propylene homopolymer

Licensed process Spheripol by LyondellBasell company

• DESCRIPTION

PP H030 GP is a bimodal propylene homopolymer with standard stabilization package providing the heat stability, corrosion resistance, and resistance to thermo-oxidative ageing.

• RECOMMENDED SCOPE OF APPLICATION

PP H030 GP is designed for extrusion and injection molding. It is used as a basis for compound production.

• TYPICAL PROPERTIES OF THE PRODUCT

DESCRIPTION OF THE QUALITY INDICATOR	TEST CONDITIONS	TEST STANDARD	TYPICAL VALUES*
Physical			
Melt flow index, g/10 min	(230°C/2.16 kg)	ISO 1133 or GOST 11645	3.0
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			
Tensile yield strength, MPa	(50 mm/min)	ISO 527 or GOST 11262	34
Tensile strain at yield, %	(50 mm/min)	ISO 527 or GOST 11262	10
Flexural modullus, MPa	(2 mm/min)	ISO 178 or GOST 9550	1400
Izod impact strength, kJ/m^2	(+23°C)	ISO 180 or GOST 19109	5.0
Thermophysical			
Vicat softening temperature, °C	(10 N)	ISO 306 or GOST 15088	155
Heat deflection temperature, °C	(0.45 MPa)	ISO 75 or GOST 12021	110

***Typical values; not for the specification.**

• PRODUCT FORM

Granules

• PACKAGE

It is packed in polyethylene bags (net weight of the bag is (25.0±0.2) kg). The bag neck is welded by machine, the bags are palletized on the flat pallets with the weight of 1.0 t; 1.25 t or 1.375 t and are packed in the stretch film (stretch hood).

• TRANSPORTATION

By all modes of transport in the covered vehicles in accordance with the rules of goods transportation applicable to this mode of transport.

• STORAGE

Polypropylene is stored in the closed dry premises, excluding direct sunlight, at a distance of at least one meter from the heating appliances, at the temperatures not exceeding 30°C and relative humidity of not more than 80%.

Prior to treatment, the polymer bags are kept for at least twelve hours in the production premises.

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