

PP H253 FF (Moplen HP552R) Propylene homopolymer

Licensed process Spheripol by LyondellBasell company

• DESCRIPTION

PP H253 FF is a monomodal propylene homopolymer with standard stabilization package providing the corrosion resistance, heat stability, resistance to thermo-oxidative ageing and discoloration.

• RECOMMENDED SCOPE OF APPLICATION

PP H253 FF is designed for the production of CF and BCF fibers, including for the production of filtering elements for the potable water supply.

• 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	25.0
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	36
Tensile strain at yield, %	(50 mm/min)	ISO 527 or GOST 11262	9
Flexural modulus, MPa	(2 mm/min)	ISO 178 or GOST 9550	1300
Izod impact strength, kJ/m ²	(+23°C)	ISO 180 or GOST 19109	3.0
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	118

*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.

Developed: December, 2017

The information provided in the present document is accurate and reliable according to our knowledge and experience as of publication date. The manufacturer/seller does not make any guarantees or representations in relation to accuracy or completeness of information provided in the present document and disclaims any responsibility for the consequences of its use or in the case of any misprints. The customer bears full responsibility for the use of our products according to the purpose. Our products are designed for sale to the industrial and commercial customers. Testing of our projects in order to determine their applicability for the particular purpose of the customer is the customer's responsibility. The customer is also responsible for processing of our products, as well as for its proper, safe and legal use.

**Omsk Polypropylene Plant Limited Liability Company
(Poliom LLC)
Build.137, Krasnoyarskiy tract, Omsk, Russia 644035
Tel.: 8 (3812) 79-02-07
Fax: 8 (3812) 66-86-44
E-mail: info@poliom-omsk.ru**