Polypropylene H 503

Description:

Homopolymer

H 503 is a low melt flow rate additivated homopolymer used for general purposes. It is designed for injection molding, raffia extrusion, bioriented film and general extrusion. This product exhibits excellent processability, good melt stability, good stiffness/impact strength balance and low odor and flavor transfer.

Applications:

Broom bristles, Brush bristles, Compounds, Fishing net, Flip-Top caps, Home appliances, Lashing cables

Processes:

Extrusion of Fibers, Injection Molding, Raffia Extrusion

Control Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	1133	g/10 min	3.5

Typical Properties[a]

Feature	Method	Units	Values
Density	1183-1	g/cm³	0.905
Flexural Modulus	178	MPa	1400
Tensile Strength at Yield	527-1	MPa	35
Tensile Elongation at Yield	527-1	%	11
Rockwell Hardness (R Scale)	2039-2	-	99
Notched Izod Impact Strength at 23°C	180	kJ/m²	3.3
Deflection Temperature under Load at 0.455 MPa	75-1/75-2	°C	98
Deflection Temperature under Load at 1.820 MPa	75-1/75-2	°C	55
Vicat Softening Temperature at 10 N	306	°C	155

a) Injection molded specimen according to ISO 294.

Final Remarks

1. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
2. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
3. In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
4. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS: 9003-07-0.
5. For regulatory information concerning the product, please consult the Regulatory Information Sheet or contact our Technical Assistance Area.
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.