

Polypropylene EP 548S

Description:

Heterophasic Copolymer

EP 548S is a heterophasic copolymer of high fluidity, which provides high rigidity and resistance to the average impact. Due to its good organoleptic properties, it is recommended for use in packaging of food products that require low transfer of odor and taste.

Applications:

Houseware, Rigid Packaging - Thin Wall Injection Molding, Toys

Processes:

Injection Molding

Control Properties

Characteristic	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	1133	g/10 min	44

Typical Properties^a

Characteristic	Method	Units	Values
Density	1183-1	g/cm ³	0.903
Flexural Modulus	178	MPa	1250
Tensile Strength at Yield	527-1	MPa	28
Tensile Elongation at Yield	527-1	%	7
Rockwell Hardness (R Scale)	2039-2	-	71
Notched Izod Impact Strength at 23°C	180	kJ/m ²	4.8
Notched Izod Impact Strength at -20°C	180	kJ/m ²	3.7
Deflection Temperature under Load at 0.455 MPa	75-1/75-2	°C	105
Vicat Softening Temperature at 10 N	306	°C	145

a) Injection molded specimen according to ISO 294.

Final observations

- 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.
- In some applications, Braskem has developed tailor-made resins to reach specific requirements.
- In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
- For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS: 9010-79-1.
- For regulatory information concerning the product, please consult the Regulatory Information Sheet or contact our Technical Assistance Area.
- The mentioned values in this report can be changed at any moment without Braskem previous communication.
- This resin does not contain the substance Bisphenol A (BPA, CAS: 80-05-7) in its composition.