Braskem

Datasheet
Review 4 (May / 18)

Polypropylene ES 540S

Description:
Heterophasic Copolymer

ES 540S is a very high fluidity heterophasic copolymer with goof balance of stiffness and impact.

Applications:
Compounds, Thin wall parts

Processes:
Injection molding

Control Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	42

Typical Properties

Feature	Method	Units	Values
Density	D 792	g/cm³	0.900
Flexural Modulus - 1% Secant	D 790	MPa	1250
Tensile Strength at Yield	D 638	MPa	27
Tensile Elongation at Yield	D 638	%	6
Rockwell Hardness (R Scale)	D 785	-	89
Notched Charpy Impact Strength at 23°C	D 6110	J/m	75
Notched Charpy Impact Strength at -20°C	D 6110	J/m	40
Deflection Temperature under Load at 0.455 MPa	D 648	°C	108

a) Injection molded specimen according to ASTM D 4101. NB = No Break.

Final observations
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.
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.