

Low Density Polyethylene S1522

Description:

S1522 is a low density polyethylene produced in a high-pressure process, which presents good balance between mechanical properties and processability.

Additive:

No additives present

Applications:

Blow molded articles for general purpose and injection blow molding.

Process:

Blow molding

Control Properties:

	ASTM Method	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	1.5
Density	D 1505	g/cm ³	0.922

Properties:

Plaque Properties^a

	ASTM Method	Units	Values
Tensile Strength at Yield	D 638	MPa	11
Tensile Strength at Break	D 638	MPa	12
Elongation at Break	D 638	%	850
Tensile Modulus – 1% Secant	D 638	MPa	230
Hardness (Shore D)	D 2240	Shore D	45
Vicat Softening Temperature at 10 N	D 1525	°C	95
Melting Temperature	D 3418	°C	110

(a) Test specimens prepared from compression molded sheet made according to ASTM D 4703.

Final Remarks:

1. This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by FDA – Food and Drug Administration in force on the date of publication of this specification.
2. 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.
3. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
4. In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
5. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. Cas Registry number: 9002-88-4.
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.
7. Braskem does not recommend this grade for plastic containers of physiological saline and/or parenterally administered drugs.
8. The content of this Data Sheet replaces previous revisions published for this product.
9. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.