

Braskem PE S 1522

Low Density Polyethylene

Braskem

Message:

Description:
S1522 is a low density polyethylene produced in a high-pressure process, which presents good balance between mechanical properties and processability. Contain no additives.

Applications:
Blow molded articles for general purpose and injection blow molding.

General Information	
Features	General Purpose
	Good Heat Seal
	High ESCR (Stress Crack Resist.)
Uses	Blow Molding Applications
	General Purpose
Agency Ratings	FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Blow Molding
	Injection Blow Molding

Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	45		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, Compression Molded	11.0	MPa	
Break, Compression Molded	12.0	MPa	
Tensile Elongation (Break, Compression Molded)	850	%	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	230	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	95.0	°C	ASTM D1525 ¹
Peak Melting Temperature	110	°C	ASTM D3418

NOTE			
1.	Loading 1 (10 N)		

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