

BS500

Description

High mechanical property and processability

Application : non-crosslinked foam

Additives : Slip & Antiblock agent

Application

non-crosslinked foam

Properties	Method	Condition	Unit	BS500
Physical				
MFI	ASTM D1238	190°C, 2.16kg load	g/10min	3.3
Density	ASTM D1505	Density-Gradient	g/cm ³	0.921
Film Properties				
Tensile Strength at Break Point, MD	ASTM D882	500mm/min	kgf/cm ²	175
Tensile Strength at Break Point, TD	ASTM D882	500mm/min	kgf/cm ²	175
Elongation at Break Point, MD	ASTM D882	500mm/min	%	430
Elongation at Break Point, TD	ASTM D882	500mm/min	%	620
Dart Impact Strength	ASTM D1709	Method A	g	80
Haze(50μm)	ASTM D1003	50μm	%	7
Thermal				
Melting Temperature	LG Method	by DSC	°C	107
Vicat Softening Temperature	ASTM D1525	A50	°C	95

Note

The properties data in this table are typical values, and not guaranteed specification.

Typical resin property values are measured on film specimens.

Issued Date : 2022-02-11

The information contained herein, including, but not limited to, data, statements and typical values, are given in good faith. LG Chem makes no warranty or guarantee, expressed or implied, (i) that the result described herein will be obtained under end - use conditions, or (ii) as to the effectiveness or safety of any design incorporating LG Chem materials, products, recommendations or advice. Further, any information contained herein shall not be construed as a part of legally binding offer. Especially, the typical values should be regarded as reference values only and not as binding minimum values. Each user bear full responsibility for making its own determination as to the suitability of LG Chem's materials, products, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating LG Chem material or products will be safe and suitable for use under end - use conditions. The data contained herein can be changed without notice as a result of the quality improvement of the products.