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WeConnectScience

LG Chem

M1650

Description

Polypropylene block copolymer for injection molding
Excellent stiffness & good impact resistance
Short cycle time(high productivity)
Complies with FDA Regulations 21 CFR 177.1520 for food contact

Application

Food container(Coffee cup, etc)

Properties	Method	Condition	Unit	M1650
Physical				
MFI	ASTM D1238	230℃, 2.16kg load	g/10min	30
Density	ASTM D1505	Density-Gradient	g/cm³	0.9
Mechanical				
Tensile Strength at yield point(kgf/㎠)	ASTM D638	50㎜/min	kgf/cm²	260
Elongation at Break Point	ASTM D638	50㎜/min	%	<100
Flexural Modulus(kgf/㎠)	ASTM D790	Press sheet, 1% Secant	kgf/cm²	16500
Izod Impact Strength(kgf·㎝/㎝)	ASTM D256	23℃, Notched	kgf·cm/cm	8
Izod Impact Strength(kgf·㎝/㎝)	ASTM D256	-20℃, Notched	kgf·cm/cm	4
Rockwell Hardeness(R-Scale)	ASTM D785	R-Scale		95
Thermal				
Vicat Softening Temperature	ASTM D1525	A50	℃	151
Heat Deflection Temperature	ASTM D648	4.6kgf/㎠	℃	120

Note

The properties data in this table are typical values, and not guaranteed specification.
Typical resin property values are measured on a standard injection molded specimens.