

# M1810

## Description

Polypropylene block copolymer controlled rheology for injection molding  
 Good balance of stiffness and impact strength  
 Complies with FDA Regulations 21 CFR 177.1520 for food contact

## Application

Large Containers, Automotive Parts, Housewares

Properties	Method	Condition	Unit	M1810
<b>Physical</b>				
MFI	ASTM D1238	230°C, 2.16kg load	g/10min	60
Density	ASTM D1505	Density-Gradient	g/cm <sup>3</sup>	0.9
<b>Mechanical</b>				
Tensile Strength at yield point(kgf/cm <sup>2</sup> )	ASTM D638	50mm/min	kgf/cm <sup>2</sup>	250
Elongation at Break Point	ASTM D638	50mm/min	%	<100
Flexural Modulus(kgf/cm <sup>2</sup> )	ASTM D790	Press sheet, 1% Secant	kgf/cm <sup>2</sup>	12000
Izod Impact Strength(kgf·cm/cm)	ASTM D256	23°C, Notched	kgf·cm/cm	7
Izod Impact Strength(kgf·cm/cm)	ASTM D256	-20°C, Notched	kgf·cm/cm	4
Rockwell Hardness(R-Scale)	ASTM D785	R-Scale		90
<b>Thermal</b>				
Vicat Softening Temperature	ASTM D1525	A50	°C	150
Heat Deflection Temperature	ASTM D648	4.6kgf/cm <sup>2</sup>	°C	105

## 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.

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