

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
Physical				
MFI	ASTM D1238	230°C, 2.16kg load	g/10min	60
Density	ASTM D1505	Density-Gradient	g/cm ³	0.9
Mechanical				
Tensile Strength at yield point(kgf/cm ²)	ASTM D638	50mm/min	kgf/cm ²	250
Elongation at Break Point	ASTM D638	50mm/min	%	<100
Flexural Modulus(kgf/cm ²)	ASTM D790	Press sheet, 1% Secant	kgf/cm ²	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
Thermal				
Vicat Softening Temperature	ASTM D1525	A50	°C	150
Heat Deflection Temperature	ASTM D648	4.6kgf/cm ²	°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.