

**Resin Type** Polypropylene Impact Copolymer

**Applications** Large Containers, Automotive Parts, Housewares

**Description** SEETEC M1810 is a heterophasic polypropylene copolymer for injection molding applications. SEETEC M1810 exhibits a good balance of stiffness and impact strength. SEETEC M1810 meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

Properties	Test Method	Test Condition	Unit	Value
<b>Physical</b>				
Melt Flow Rate	ASTM D1238	230°C/2.16 kg	g/10 min	60.0
Density	ASTM D1505	–	g/cm <sup>3</sup>	0.9
<b>Mechanical</b>				
Tensile Strength at Yield	ASTM D638	50 mm/min	kgf/cm <sup>2</sup>	270
			MPa	26
Elongation at Break	ASTM D638	50 mm/min	%	>50
Flexural Modulus	ASTM D790	–	kgf/cm <sup>2</sup>	13,000
			MPa	1,300
Izod Impact Strength	ASTM D256	23°C (Notched)	kg·cm/cm	7
		– 20°C (Notched)		4
Hardness (Rockwell)	ASTM D785	R-scale	–	100
<b>Thermal</b>				
Vicat Softening Point	ASTM D1525	1 kgf	°C	152
			°F	306
Heat Deflection Temperature	ASTM D648	4.6 kgf/cm <sup>2</sup>	°C	105
			°F	221

The data and information represented herein are intended as a general guide only and are not construed as specification limits. Since the actual processing conditions of our products may vary and are beyond our control, establishing satisfactory performance of the resin for the intended application is the customer's sole responsibility.