

SEETEC PP M1850



Resin Type Polypropylene Impact Copolymer

Applications Yogurt Container(Thin Wall Injection Molding)

Description M1850 is a polypropylene impact copolymer for injection molding application, showing a excellent flowability, high stiffness and good impact resistance. The material contains a nucleating agent for cycle time reduction and an anti-static agent. M1850 meets the FDA requirement in the code of federal regulations in 21CFR177.1520 for food contact.

Properties	Test Method	Test Condition	Unit	Value
Physical				
Melt Flow Rate	ASTM D1238	230 °C/2.16 kg	g/10 min	70
Density	ASTM D1505	-	g/cm ³	0.9
Mechanical				
Tensile Strength at Yield	ASTM D638	50 mm/min	kaf/cm ²	260
			MPa	25
Elongation at Break	ASTM D638	50 mm/min	%	< 100
Flexural Modulus	ASTM D790	-	kaf/cm ²	16,500
			MPa	1,600
Flexural Strength	ASTM D790	-	kaf/cm ²	420
			MPa	40
Izod Impact Strength	ASTM D256	23 °C (Notched)	kg·cm/cm	5.5
		-20 °C (Notched)	kg·cm/cm	3.5
Hardness (Rockwell)	ASTM D785	R-scale	-	95
Thermal				
Vicat Softening Point	ASTM D1525	1 kgf	°C	151
			°F	304
Heat Deflection Temperature	ASTM D648	4.6 kgf/cm ²	°C	125
			°F	257

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



Technical Service Center : 84, Jang-Dong, Yuseong-gu, Daejeon, Korea, Korea
Tel : 82-42-860-8538 Fax : 82-42-860-1318
Sales & Marketing : Tel : 82-2-3773-7804 Fax : 82-2-784-9732~3