



VINPOL™ PI800S

Impact Copolymer Polypropylene

Melt Flow: 80

Density: 0.90

VINPOL PI800S is an impact copolymer polypropylene with high ethylene-propylene rubber content. It contains anti-static and mold release additives. It has high melt flow with a good balance of strength and impact resistance. It is designed for general household goods, home appliances and thin-wall parts.

Resin Property	Typical Value	Units	Test Method
Melt Flow	80	g/10 min	ASTM D-1238
Density	0.90	g/cm ³	ASTM D-792
Tensile Strength at Yield	3,410 (240)	psi (kgf/cm ²)	ASTM D-638
Tensile Strain at Break	<100	%	ASTM D-638
Flexural Modulus	220,000 (15,500)	psi (kgf/cm ²)	ASTM D-790
Notched Izod Impact Strength, 73°F (23°C)	0.92 (5.0)	ft-lb/in (kgf*cm/cm)	ASTM D-256
Notched Izod Impact Strength, 14°F (-10°C)	0.46 (2.5)	ft-lb/in (kgf*cm/cm)	ASTM D-256
Heat Deflection Temp., 4.6 kgf/cm ²	257 (125)	°F (°C)	ASTM D-648
Flammability	HB		UL 94

