

POLYPROPYLENE



IMPACT COPOLYMER

HI-PRENE M910

Typical Properties	Test Method	Units	Result
Physical			
Melt Index (2.16kg @230°C)	ASTM D1238	g/10min	0.6
Density	ASTM D792	g/cm ³	0.90
Mechanical			
Tensile Strength	ASTM D638	MPa	31
Elongation at Break	ASTM D638	%	>400
Flexural Modulus	ASTM D790	MPa	1,650
Izod Impact (@23°C, Notched)	ASTM D256	J/m	>500
Izod Impact (@-10°C, Notched)	ASTM D256	J/m	100
Rockwell Hardness	ASTM D785	R scale	95
Creep Test (20°C, 163kg/cm ²)	ASTM D2990	hr	Min. 1
Thermal			
Heat Deflection Temp. (0.45MPa)	ASTM D648	°C	120

※ Results may vary depending on environment conditions and /or devices.

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HI-PRENE M910

Typical Properties	Test Method	Units	Result
Physical			
Melt Index (2.16kg @230°C)	ISO 1133	g/10min	0.6
Density	ISO 1183	g/cm ³	0.90
Mechanical			
Tensile Strength	ISO 527	MPa	29
Elongation at Break	ISO 527	%	>400
Flexural Modulus	ISO 178	MPa	1,600
Izod Impact (@23°C, Notched)	ISO 180	KJ/m ²	>50
Izod Impact (@-10°C, Notched)	ISO 180	KJ/m ²	8.0
Rockwell Hardness	ISO 2039	R scale	95
Creep Test (20°C, 163kg/cm ²)	ISO 899	hr	Min. 1
Thermal			
Heat Deflection Temp. (0.45MPa)	ISO 75	°C	105

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