

POLYPROPYLENE



HOMOPOLYMER

HI-PRENE H550

Typical Properties	Test Method	Units	Result
Physical			
Melt Index (2.16kg @230°C)	ASTM D1238	g/10min	11
Density	ASTM D792	g/cm ³	0.90
Mechanical			
Tensile Strength	ASTM D638	MPa	37
Elongation at Break	ASTM D638	%	>500
Flexural Modulus	ASTM D790	MPa	1,600
Izod Impact (@23°C, Notched)	ASTM D256	J/m	35
Rockwell Hardness	ASTM D785	R scale	105
Thermal			
Heat Deflection Temp. (0.45MPa)	ASTM D648	°C	115

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

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HOMOPOLYMER

HI-PRENE H550

Typical Properties	Test Method	Units	Result
Physical			
Melt Index (2.16kg @230°C)	ISO 1133	g/10min	11
Density	ISO 1183	g/cm ³	0.90
Mechanical			
Tensile Strength	ISO 527	MPa	35
Elongation at Break	ISO 527	%	>500
Flexural Modulus	ISO 178	MPa	1,550
Izod Impact (@23°C, Notched)	ISO 180	KJ/m ²	3.5
Rockwell Hardness	ISO 2039	R scale	105
Thermal			
Heat Deflection Temp. (0.45MPa)	ISO 75	°C	90

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