



A-PI-5050					
Test Features	Test Method	Unit	Test Conditions	Results	
				Thermoforming	Cold forming
Rockwell Hardness	GB/T 3398.2-2008	HRE	23°C	15	82(HRL)
Impact strength of unnotched simply supported beams	GB/T 1043.1-2008	kJ/m ²	23°C	26	15
Flexural Strength	GB/T 9341-2008	MPa	23°C	86	78
			260°C	50	44
Flexural Modulus	GB/T 9341-2008	MPa	23°C	7598	5090
			260°C	4695	3164
Tensile Strength	GB/T 1040.1-2018	MPa	23°C	68	46
			260°C	31	26
Elongation at break	GB/T 1040.1-2018	%	23°C	3.9	2.9
			260°C	2.7	3.2
Compressive Strength	GB/T 1041-2008	MPa	1% Deformation	19	26
			10% Deformation	146	110
Shear Strength	HG/T 3839-2006	MPa	23°C	46	/
Poisson's ratio	ASTM D638-10	/	23°C	0.24	/
Density	GB/T 4472—2011	g/cm ³	23°C	1.72	1.62
Friction coefficient	GB/T 3960-2016	/	2h	0.15	0.16
Wear Quality	GB/T 3960-2016	mg	2h	1.2	9.2
Absorption	GB/T 1034-2008	%	24h	0.04	0.6
			48h	0.08	0.81

• The above data are product sample measurement values, not guaranteed values;
• All products are formed by compression, with a certain degree of directionality;