



A-PI-350-21					
Test Features	Test Method	Unit	Test Conditions	Results	
				Thermoforming	Cold forming
Rockwell Hardness	GB/T 3398.2-2008	HRE	23°C	35	5
Impact strength of unnotched simply supported beams	GB/T 1043.1-2008	kJ/m ²	23°C	80	25
Flexural Strength	GB/T 9341-2008	MPa	23°C	137	65
			260°C	66	38
Flexural Modulus	GB/T 9341-2008	MPa	23°C	4171	2822
			260°C	2384	1506
Tensile Strength	GB/T 1040.1-2018	MPa	23°C	92	45
			260°C	42	24
Elongation at break	GB/T 1040.1-2018	%	23°C	9.2	3.8
			260°C	10.8	4.9
Compressive Strength	GB/T 1041-2008	MPa	1% Deformation	33	25
			10% Deformation	159	95
Shear Strength	HG/T 3839-2006	MPa	23°C	79	/
Poisson's ratio	ASTM D638-10	/	23°C	0.35	/
Surface Resistance	IEC 61340	Ω	23°C	>10 ¹²	>10 ¹²
Density	GB/T 4472—2011	g/cm ³	23°C	1.5	1.35
Friction coefficient	GB/T 3960-2016	/	2h	0.19	0.20
Wear Quality	GB/T 3960-2016	mg	2h	1.3	5.8
Absorption	GB/T 1034-2008	%	24h	0.09	2.14
			48h	0.13	2.32

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