

Secco

PP

S1003

Product information				
Manufacturer	Shanghai Secco Petrochemical Co., Ltd			
Color	NC			
Material Shape	Pellets			
Process	Injection molding Extrusion molding Blow molding			
Polymer	Homopolymer			
Material Attribute	Food Contact grade			
Features	Narrow molecular weight distributionHigh stiffnessGood processabilityWide range of applications			
Application	Carpet backingStrappingBrushBOPP filmDrinking strawsRopeWoven bagsInjection molding applicationsThermoforming applicationsArtificial grass			
Hardness	Condition	Standard	Value	Unit
Rockwell	Hardness R(Scale)	GB/T 3398	108	
Mechanical behavior	Condition	Standard	Value	Unit
Charpy	Notch Impact 23°C	GB/T 1043	4.0	kJ/m ²
Elongation	Break 50mm/min	GB/T 1040	500	%
Flexural	Modulus 2.0mm/min	GB/T 9341	1400	MPa
Tensile	Strength Yield 50mm/min	GB/T 1040	35	MPa
Tensile	Strength Break 50mm/min	GB/T 1040	22	MPa
Physical property	Condition	Standard	Value	Unit
Density		GB/T 1033	0.90	g/cm ³
Melt	Index 230°C 2.16kg	GB/T 3682	3.0	g/10min
Thermal	Condition	Standard	Value	Unit
HDT	0.45MPa	GB/T 1634	80	°C
Melting	Temperature DSC	GB/T 19466	164	°C
Vicat	Softening Temperature 50°C/hr 10N	GB/T 1633	151	°C