

Product Name: 5000S

Grade: Extrusion

Characteristics and Uses: Excellent processability and mechanical strength

Uses for monofilament and stretched tape, general packaging films and nets
Fishing nets, insect screens, ropes, cloth yarns, packing straps, films, floats, agriculture nets, mosquito nets, fish nets, etc.

Typical physical properties

Properties	Method	Unit	Value
Melt flow rate	ISO 1133	g/10 min.	0.82
Density	ISO 1183	kg/m ³	950
Tensile stress at yield	ISO 527-1, -2	MPa	27
Tensile strength at break	ISO 527-1, -2	MPa	15
Elongation at break	ISO 527-1, -2	%	450
Charpy Impact strength	ISO 179-1	kJ/m ²	14.0
Shore hardness	ISO 868	D scale	63
Stress cracking resistance	ASTM 1693	hr	30
Melting temperature	ISO 11357	°C	131
Vicat softening temperature	ISO 306	°C	123

