

Polypropylene (PP)

Physical Properties	Method	Testing Condition	Unit	Typical Value
Specific Gravity	ASTM D-792	-	g/cm ³	0.9
Water Absorption	ASTM D-570	23 °C	%	0.02

Mechanical Properties

Tensile Strength	ASTM D 638	-	kg/cm ²	300
Tensile Elongation	ASTM D 638	-	%	150
Flexural Modulus	ASTM D 790	-	kg/cm ²	12000
Flexural Strength	ASTM D 790	-	kg/cm ²	400
Izod Impact	ASTM D 256	V-notched, 1/8"	kg.cm/cm	10
Anti-Oxidant Content	-	-	%	0.1
UV Stabilizer	-	-	%	0.1

Thermal Properties

Melt Flow Index	ASTM D 1238	-	g/10min	8
Heat Distortion Temperature	ASTM D-648	18.6kg/cm ²	°C	90
Flammability	UL-94	-	-	HB

Processing Properties

Drying Hour	-	-	Hr	2
Drying Temperature	-	-	°C	80
Melt Temperature	-	-	°C	190-200

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