

Product Texts

Tophane™ 2180 is completely recyclable.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	6.1	MPa	ASTM D 412
Modulus at 300% Elongation	4.8	MPa	ASTM D 412
Shore A Hardness	80	-	ASTM D 2240
Tear Strength	76.5	kN/m	ASTM D 624
Tensile Strength at Break	36.7	MPa	ASTM D 412
Elongation at Break	800	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	1180	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 110	°C	-
Pre-drying - Time	3 - 4	h	-
Zone 1	170 - 180	°C	-
Zone 2	180 - 200	°C	-
Zone 3	190 - 210	°C	-
Nozzle temperature	195 - 205	°C	-
Screw speed	50 - 80	rpm	-
Injection pressure	50 - 100	MPa	-
Back pressure	0.3 - 0.6	MPa	-
Holding pressure	30 - 60	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Chemical Resistance

General Chemical Resistance, Oil Resistance

Applications

Automotive, Electrical and Electronical, Sports Equipment

Regional Availability

Asia Pacific