

INNOPRENE 1800 N

TPE

Kumho Polychem

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	9.81	MPa	ISO 37
Compression set at 70 °C, 24h	45	%	ISO 815
Tear strength	49	kN/m	ISO 34-1
Shore A hardness	80	-	ISO 7619-1
ASTM Data			
Modulus at 100% Elongation	3.4	MPa	ASTM D 412
Shore A Hardness	80	-	ASTM D 2240
Tear Strength	49	kN/m	ASTM D 624
Compression Set , 22 hr @ 158 °F	45	%	ASTM D 395
Tensile Strength	9.81	MPa	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	960	kg/m ³	ISO 1183
Density	960	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	85	°C	-
Pre-drying - Time	3	h	-
Melt temperature	190 - 230	°C	-
Mold temperature	10 - 60	°C	-
Zone 1	160 - 180	°C	-
Zone 2	180 - 200	°C	-
Zone 3	200	°C	-
Nozzle temperature	200 - 220	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	85	°C	-
Pre-drying - Time	3	h	-
Melt temperature	190 - 230	°C	-
Feed temperature	160 - 170	°C	-
Zone 1	180 - 200	°C	-
Zone 2	180 - 200	°C	-
Zone 3	180 - 200	°C	-
Nozzle temperature	180 - 210	°C	-

Characteristics**Processing**

Injection Molding, Pipe/Tube Extrusion, Profile Extrusion, Sheet Extrusion, Wire/Cable Extrusion, Blow Molding, Calandering

Delivery form

Pellets, Natural Color

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Features

Fatigue Resistance

Chemical Resistance

General Chemical Resistance, Ozone Resistance

Applications

General Purpose

Regional Availability

Asia Pacific