

**INNOPRENE 1450 B**

TPE

Kumho Polychem

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Strength	4.9	MPa	ISO 37
Compression set at 70 °C, 24h	31	%	ISO 815
Tear strength	24.5	kN/m	ISO 34-1
Shore A hardness	46	-	ISO 7619-1
<b>ASTM Data</b>			
Modulus at 100% Elongation	1.47	MPa	ASTM D 412
Shore A Hardness	46	-	ASTM D 2240
Tear Strength	24.5	kN/m	ASTM D 624
Compression Set , 22 hr @ 158 °F	31	%	ASTM D 395
Tensile Strength	4.9	MPa	ASTM D 412

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	950	kg/m <sup>3</sup>	ISO 1183
Density	950	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
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	-

<b>Processing Recommendation Extrusion</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
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, Black

**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