

**PRL ABS-G30**

ABS-GF30

Polymer Resources, Ltd.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>2.55</b>	g/10min	ASTM D 1238
Temperature	<b>230</b>	°C	-
Load	<b>3.8</b>	kg	-
Mold Shrinkage, MD	<b>0.0015</b>	mm/mm	ASTM D 955

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>8963</b>	MPa	ASTM D 638
Tensile Strength at Yield	<b>96.5</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>96.5</b>	MPa	ASTM D 638
Elongation at Yield	<b>1.5</b>	%	ASTM D 638
Flexural Modulus	<b>8274</b>	MPa	ASTM D 790
Flexural Strength	<b>134</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>53.4</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>113</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>107</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1260</b>	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	<b>79.4 - 85</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Melt temperature	<b>210 - 238</b>	°C	-
Mold temperature	<b>48.9 - 60</b>	°C	-
Zone 1	<b>191 - 199</b>	°C	-
Zone 2	<b>210 - 221</b>	°C	-
Zone 3	<b>210 - 227</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America

**Delivery form**

Pellets