

PRL ABS-G20

ABS-GF20

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	2.55	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	6205	MPa	ASTM D 638
Tensile Strength at Yield	86.2	MPa	ASTM D 638
Tensile Strength at Break	86.2	MPa	ASTM D 638
Elongation at Yield	1.5	%	ASTM D 638
Flexural Modulus	6240	MPa	ASTM D 790
Flexural Strength	117	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53.4	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	107	°C	ASTM D 648
DTUL @ 264 psi	101	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1190	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	79.4 - 85	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	210 - 238	°C	-
Mold temperature	48.9 - 60	°C	-
Zone 1	191 - 199	°C	-
Zone 2	210 - 221	°C	-
Zone 3	210 - 227	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America

Delivery form

Pellets