

Polifil® RP-ABS

ABS

The Plastics Group of America

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	6	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	1999	MPa	ASTM D 638
Tensile Strength	44.1	MPa	ASTM D 638
Elongation at Yield	4	%	ASTM D 638
Elongation at Break	20	%	ASTM D 638
Flexural Modulus	2482	MPa	ASTM D 790
Flexural Strength	65.5	MPa	ASTM D 790
Rockwell Hardness	R 98	-	ASTM D 785
Gardner Impact	11.3	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	187	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	96.1	°C	ASTM D 648
DTUL @ 264 psi	90.6	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.2	%	ASTM D 570
Density	1050	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding, Sheet Extrusion, Thermoforming

Delivery form

Pellets

Special Characteristics

Heat stabilized or stable to heat

Features

Low Odor, Melt Strength

Certifications

Recycled Resin Content

Applications

Automotive

Regional Availability

North America