

Technical Data Sheet

Polyfort PP 2173HU-382 BLACK

Polypropylene, Unspecified (PP, Unspecified)



Product Description

PP High Impact Unfilled

Processing Method Injection Molding

Attribute High Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density - Specific Gravity	0.91	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (10 mm/min)	20.0	MPa	ASTM D638
Flexural Modulus, (2.0 mm/min)	800	MPa	ASTM D790
Tensile Elongation at Break, (10 mm/min)	650	%	ASTM D638
Impact			
Notched Izod Impact	500	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (66 psi)	85	°C	ASTM D648

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Injection Rate	Moderate-Fast	
Mold Temperature	30 to 60	°C