

Technical Data Sheet

Polyfort PP5A0UVGY303GRY



Polypropylene, Impact Copolymer

Product Description

PP5A0 is an Unfilled, High Impact, UV Stabilized, Polypropylene Copolymer

Processing Method	Injection Molding
Attribute	Copolymer; UV Stabilized
Forms	Pellets
Appearance	Colors Available

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	5.0	g/10 min	ASTM D1238
Mechanical			
Tensile Strength at Yield, (23 °C)	22.1	MPa	ASTM D638
Flexural Modulus, (Tangent)	1030	MPa	ASTM D790
Impact			
Gardner Impact	19.8	J	ASTM D5420
Notched Izod Impact, (23 °C, 3.18 mm)	690	J/m	ASTM D256

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	82 to 104	°C
Processing (Melt) Temp	193 to 232	°C
Front Temperature	177 to 232	°C
Middle Temperature	177 to 232	°C
Rear Temperature	177 to 232	°C
Injection Rate	Moderate	
Back Pressure	0.138 to 2.07	MPa
Mold Temperature	21 to 49	°C
Cushion	6.35 to 12.7	mm