

Technical Data Sheet

Polyfort PP6D0HBYL41YEW



Polypropylene Copolymer

Product Description

PP6D0HBYL41 is an Unfilled, High Impact Polypropylene, Yellow Color

Processing Method	Injection Molding
Attribute	High Impact Resistance
Forms	Pellets
Appearance	Yellow

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	17	g/10 min	ASTM D1238
Density - Specific Gravity	0.898	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (23 °C)	18.5	MPa	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
Impact			
Gardner Impact	20.2	J	ASTM D5420
Notched Izod Impact, (23 °C)	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