

# DynaChar™ 145-BRD

Polypropylene

Polymer Dynamix

## Message:

Detectable PP

Features:

Metal and X-ray Detectable

Good Dimensional Stability

Excellent Processability

Applications:

Automotive

Small Appliances

Industrial

Military

General Information			
Features	Good Dimensional Stability		
	Good Processability		
	Metal Detectable		
Uses	Appliances		
	Automotive Applications		
	Industrial Applications		
	Military Applications		
Processing Method	Injection Molding		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	24.1	MPa	
Break	19.3	MPa	
Tensile Elongation			ASTM D638
Yield	7.0 to 9.0	%	
Break	> 30	%	
Flexural Modulus	1000	MPa	ASTM D790
Flexural Strength	27.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	32 to 43	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	65.6	°C	
Drying Time	3.0 to 5.0	hr	
Rear Temperature	193 to 216	°C	
Middle Temperature	199 to 221	°C	
Front Temperature	204 to 232	°C	

Nozzle Temperature	204 to 232	°C
Processing (Melt) Temp	204 to 232	°C
Mold Temperature	15.6 to 43.3	°C
Injection Rate	Moderate	
Screw Speed	20 to 100	rpm
Clamp Tonnage	4.1 to 6.9	kN/cm <sup>2</sup>

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