

DynaMix™ 2045-BRD

Polyamide 66

Polymer Dynamix

Message:

- Detectable Polyamide 66
- Features:
 - Metal 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	40.0	MPa	
Break	39.3	MPa	
Tensile Elongation			ASTM D638
Yield	7.0 to 9.0	%	
Break	> 30	%	
Flexural Modulus	1450	MPa	ASTM D790
Flexural Strength	48.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	110 to 210	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	82.2 to 93.3	°C	
Drying Time	3.0 to 6.0	hr	
Rear Temperature	254 to 293	°C	
Middle Temperature	260 to 293	°C	
Front Temperature	266 to 293	°C	

Nozzle Temperature	271 to 293	°C
Processing (Melt) Temp	271 to 293	°C
Mold Temperature	93.3 to 113	°C
Injection Rate	Moderate	
Screw Speed	20 to 100	rpm
Clamp Tonnage	4.1 to 6.9	kN/cm ²

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