

FHR Polypropylene P6C6B-134

Polypropylene Impact Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: General Purpose Impact Copolymer

FEATURES: Good processability, nucleated with Antistat. Product does not contain animal derived components.

APPLICATIONS: Injection Molding: lawn and garden parts

General Information			
UL YellowCard	E336707-100706774		
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Good Processability		
	Impact Copolymer		
	No Animal Derived Components		
	Nucleated		
Uses	Lawn and Garden Equipment		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.0	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus - Tangent ¹	1170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	91	J/m	ASTM D256
Gardner Impact (-30°C)	16.0	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	109	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

NOTE

1. 1.3 mm/min

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