

# FHR Polypropylene AP5155-HA

Polypropylene Impact Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Impact Copolymer  
FEATURES: Excellent processability, nucleated and Antistat.  
APPLICATIONS: Injection molding: thin wall parts, food containers, packaging and medical

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Good Processability		
	Impact Copolymer		
	Nucleated		
Uses	Food Containers		
	Medical/Healthcare Applications		
	Packaging		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
	USP Class VI		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	55	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.0	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus - Tangent	1380	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256
Gardner Impact (-30°C)	17.0	J	ASTM D5420

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	97.0	°C	ASTM D648

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