

FHR Polypropylene AP5206-HN

Polypropylene Impact Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Impact Copolymer
FEATURES: Nucleated for fast cycle and good mold release. Product does not contain animal derived components.
APPLICATIONS: Compression and injection molding: caps and closures

General Information			
Additive	Nucleating Agent		
Features	Fast Molding Cycle		
	Good Mold Release		
	Impact Copolymer		
	No Animal Derived Components		
	Nucleated		
Uses	Caps		
	Closures		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Pellets		
Processing Method	Compression Molding		
	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)	5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.3	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	1520	MPa	
Tangent	1590	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Gardner Impact (-30°C)	9.00	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45
MPa, Unannealed)

108

°C

ASTM D648

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