

FHR Polypropylene AP6106-HA

Polypropylene Impact Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Impact co-polymer for injection molding.
FEATURES: Contains antistatic agent, good balance of stiffness and impact. Produced without animal derived components.
APPLICATIONS: Caps and closures, consumer products.

General Information			
Additive	Antistatic property		
Features	Impact copolymer		
	Antistatic property		
	No kinetic components		
Uses	Shield		
	Shell		
	Consumer goods application field		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
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)	6.0	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	1240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Dart Drop Impact (-30°C)	23.0	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	94.0	°C	ASTM D648
Peak Melting Temperature	160 - 165	°C	ASTM D3418

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