

# FHR Polypropylene AP6120-HS

Polypropylene Impact Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Impact Copolymer  
FEATURES: Good impact stiffness balance.  
APPLICATIONS: Injection molding: Appliance components, automotive interior trim, consumer durables and closures

General Information			
UL YellowCard	E336707-100613137		
Additive	Heat Stabilizer		
Features	Good Impact Resistance		
	Good Stiffness		
	Heat Stabilized		
	Impact Copolymer		
Uses	Appliance Components		
	Automotive Interior Trim		
	Closures		
	Consumer Applications		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
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)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	97		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.0	MPa	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus - Tangent	1160	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Gardner Impact (-30°C)	23.0	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	83.0	°C	ASTM D648

Flammability	Nominal Value	Test Method
Flame Rating	HB	UL 94

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