

FHR Polypropylene AP6412-HS

Polypropylene Impact Copolymer

Flint Hills Resources, LP

Message:

FHR Polypropylene AP6412-HS is a Polypropylene Impact Copolymer (PP Impact Copolymer) product. It can be processed by injection molding and is available in North America. Applications of FHR Polypropylene AP6412-HS include consumer goods, food contact applications, furniture and housings. Characteristics include:

- Flame Rated
- Copolymer
- Heat Stabilizer
- Impact Resistant

General Information			
UL YellowCard	E336707-100613138		
Additive	Heat Stabilizer		
Features	Blush Resistant		
	Good Impact Resistance		
	Heat Stabilized		
	Impact Copolymer		
Uses	Consumer Applications		
	Furniture		
	Housings		
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 ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.0	MPa	ASTM D638
Tensile Elongation (Yield)	7.0	%	ASTM D638
Flexural Modulus - Tangent	1140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Gardner Impact (-30°C)	28.0	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	82.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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