

FHR Polypropylene AP5106-HA

Polypropylene Impact Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Impact Copolymer
FEATURES: Excellent impact stiffness balance, good mold release.
APPLICATIONS: Compression and injection molding: caps and closures

General Information			
Features	Good Mold Release		
	Good Stiffness		
	High Impact Resistance		
	Impact Copolymer		
Uses	Caps		
	Closures		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Compression Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	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)	30.0	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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