

FHR Polypropylene P9M6K-041A

Polypropylene Impact Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Specialty Impact Copolymer

FEATURES: Good clarity and impact resistance.

APPLICATIONS: Injection Molding; Durable goods

General Information			
Features	Good Impact Resistance		
	High Clarity		
	Impact Copolymer		
	No Animal Derived Components		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
	FDA 21 CFR 177.1520(c) 3.2c		
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)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	62		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.0	MPa	ASTM D638
Tensile Elongation (Yield)	17	%	ASTM D638
Flexural Modulus - Tangent	869	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	320	J/m	ASTM D256
Instrumented Dart Impact			ASTM D3763
0°C, Ductile Failure	22.0	J	
23°C, Ductile Failure	17.6	J	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	78.0	°C	ASTM D648

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