

FHR Polypropylene 44S2A

Polypropylene Impact Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Impact Copolymer
FEATURES: Phosphorus free additive package for silicon coated applications. Product does not contain animal derived componenets.
APPLICATIONS: Extrusion: blown and cast film

General Information			
Features	Impact Copolymer		
	Low (to None) Phosphorus Content		
	No Animal Derived Components		
Uses	Cast Film		
	Film		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Blown Film		
	Cast Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	79		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1180	MPa	ASTM D638
Tensile Strength (Yield)	26.5	MPa	ASTM D638
Tensile Elongation (Break)	> 300	%	ASTM D638
Flexural Modulus	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	350	J/m	ASTM D256
Gardner Impact (-30°C)	> 36.2	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	81.0	°C	ASTM D648

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