

FHR Polypropylene AP7710-HS

Polypropylene Impact Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Ultra High Impact Copolymer - Reactor TPO
FEATURES: Excellent low temperature impact strength. Product does not contain animal derived components
APPLICATIONS: Injection molding: automotive items, exterior equipment components and energy management

General Information			
UL YellowCard	E336707-100613140		
Additive	Impact Modifier		
Features	Impact Copolymer		
	Low Temperature Impact Resistance		
	No Animal Derived Components		
	Ultra High Impact Resistance		
Uses	Automotive Applications		
	Automotive Exterior Parts		
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)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness	70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	16.5	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus - Tangent	862	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Instrumented Dart Impact (-30°C)	23.0	J	ASTM D3763
Gardner Impact (-30°C)	> 36.0	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	70.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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