

Hifax RTA3263UV

Polyolefin
LyondellBasell Industries

Message:

Hifax RTA3263UV medium melt flow 1,600 MPa flexural modulus, paintable, mineral filled thermoplastic olefin (TPO) resin has balanced rigidity, impact strength and dimensional stability. It was designed primarily for rigid automotive exterior ornamentation applications requiring good weatherability. Typical applications include automotive claddings, rocker panels, license plate brackets, appliques and filler panels.

General Information			
Filler / Reinforcement	Mineral filler		
Additive	UV stabilizer		
Features	Good dimensional stability		
	Rigidity, high		
	Rigid, good		
	Good UV resistance		
	Sprayable		
	Medium liquidity		
	Low temperature impact resistance		
Uses	Good weather resistance		
Uses	Application in Automobile Field		
	Automotive exterior parts		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow			ASTM D955
121°C, 1 hour, 3.20mm, injection molding ¹	1.0	%	ASTM D955
23°C, 48 hours, 3.20mm, injection molding ²	0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	68		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	18.0	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	1600	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	88.0	kN/m	ASTM D624

Impact	Nominal Value	Unit	Test Method
Dart Drop Impact	18.0	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	5.9E-5	cm/cm/°C	ASTM D696

Additional Information

Note: Mold shrinkage values are determined on laboratory injection molded 100 mm x 150 mm x 3.2 mm plaques and, as such, are not necessarily representative of actual field data. Since, for example, wall thickness, gate type and location, flow length and paint oven temperature affect final part dimensions, it is recommended that you contact your Basell representative before any tools are cut.

NOTE

1. Afterbake, 100 mm x 150 mm x 3.2 mm
2. Tool, 100 mm x 150 mm x 3.2 mm

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

