

Hifax RTA3263UV

Compounded Polyolefin

Product Description

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.

Product Characteristics

Test Method used	ASTM
Processing Methods	Injection Molding
Features	Good Dimensional Stability, Medium Flow, Low Temperature Impact Resistance, Paintable, High Rigidity , Good Stiffness , Good UV Resistance, Good Weather Resistance
Typical Customer Applications	Automotive Parts, Exterior Applications

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity	ASTM D 792	1.09	g/cm ³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	8	g/10 min
Mechanical			
Flexural Modulus	ASTM D 790	1600	MPa
Tensile Strength @ Yield	ASTM D 638	18	MPa
Tensile Elongation @ Brk	ASTM D 638	40	%
Tear Strength	ASTM D 624	88 kN/m	
<i>Note: Determined over a temperature range of -30°C to 100°C.</i>			
Impact			
Gardner Impact	ASTM D 5420	18 J	
Hardness			
Durometer Hardness (D Scale)	ASTM D 2240	68	
Thermal			
CLTE, Flow	ASTM D 696	5.9 x 10 ⁻⁵	cm/cm/°C
Additional Information			
Mold shrink, Linear-Flow	ASTM D 955	0.8/1.0	%
<i>Note: After 48 hrs at 23°C (Tool)/After 1 hr at 121°C (Afterbake).</i>			

