

REXtac® APAO RT 4535

Polyalphaolefin
Huntsman Corporation

Message:
Ethylene copolymer

General Information			
Features	Flexibility at low temperatures		
	Moisture resistance		
	Copolymer		
	Good adhesion		
	amorphous		
Uses	Wire and cable applications		
Agency Ratings	FDA 21 CFR 175.105		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.860	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	0.350	MPa	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-37.0	°C	DSC
Fill Analysis	Nominal Value	Unit	
Melt Density (190°C)	0.740	g/cm ³	

Additional Information			
Melt Viscosity, ASTM D3236, 275°F: 38000cpsMelt Viscosity, ASTM D3236, 300°F: 10000 cpsMelt Viscosity, ASTM D3236, 325°F: 6300 cpsMelt Viscosity, ASTM D3236, 350°F: 4700 cpsMelt Viscosity, ASTM D3236, 375°F: 3500 cpsMelt Viscosity, ASTM D3236, 400°F: 2600 cpsNeedle Penetration, ASTM D1321, 25°C: 4.5 mmSoftening Point by Ring and Ball, ASTM E28: 265°FFlashpoint, COC, ASTM D93: >450°F			

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