

Escorene™ Ultra UL 7765

Ethylene Vinyl Acetate Copolymer Resin

ExxonMobil Chemical

Message:

Escorene Ultra UL 7765 is a highly viscous copolymer containing 26.2% vinyl acetate. It has excellent flexibility and low temperature toughness. It is well compatible with hydrocarbons, natural tackifiers and most waxes, and is suitable for manufacturing hot melt adhesives, sealants and mixed waxes. The resin can accept high filler content, so it is suitable for wires and cables, especially halogen-free flame retardant materials.

General Information			
Additive	heat stabilizer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.951	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.3	g/10 min	ASTM D1238
Vinyl Acetate Content	26.2	wt%	ExxonMobil Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 15 seconds	82		ASTM D2240
Shaw D, 15 seconds	23		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	11.4	MPa	ASTM D638
Tensile Elongation (Break)	> 800	%	ASTM D638
Flexural Modulus - 1% Secant	29.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact			ASTM D3763
-40°C	24.4	J	ASTM D3763
23°C	21.7	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	49.0	°C	ASTM D1525
Legal statement			

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