

Elvax® 265

Ethylene Vinyl Acetate Copolymer

DuPont Packaging & Industrial Polymers



Prospector

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • North America	• South America
Features	• Copolymer • Good Flexibility	• Good Toughness • Resilient	
Uses	• Footwear • Seals	• Sporting Goods • Toys	• Tubing
Agency Ratings	• FDA 21 CFR 177.1350		
Forms	• Pellets		
Processing Method	• Extrusion	• Foam Processing	• Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.949	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	3.0	g/10 min	ASTM D1238
Vinyl Acetate Content	28.0	wt%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	17.2	MPa	ASTM D638
Tensile Elongation (Break)	750	%	ASTM D638
Flexural Modulus	15.9	MPa	ASTM D790

Elastomers	Nominal Value	Unit	Test Method
Compression Set	49	%	ASTM D395

Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength			ASTM D1822
-20°C	715	kJ/m ²	
23°C	946	kJ/m ²	

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	86		
Shore D	35		

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-100	°C	ASTM D746
Vicat Softening Temperature	48.9	°C	ASTM D1525

Injection	Nominal Value	Unit
Drying Temperature	60.0	°C
Drying Time	8.0	hr
Rear Temperature	121	°C
Middle Temperature	149	°C
Front Temperature	177	°C
Nozzle Temperature	149 to 204	°C
Processing (Melt) Temp	218	°C
Mold Temperature	15.6 to 37.8	°C
Injection Pressure	34.5 to 103	MPa

Notes

¹ Typical properties: these are not to be construed as specifications.