VECTOR®
STYRENIC BLOCK COPOLYMERS

Developmental Styrenic Block Copolymer

DPX-671

Styrene Isoprene Block Copolymer

- Linear triblock (SIS)/Diblock (SI) block co-polymer
- Contains 78% diblock (SI)
- Very low styrene content

DPX-671 styrenic block copolymer is a linear triblock/diblock copolymer with a narrow molecular weight distribution. It has been found to be useful for hot melt pressure sensitive label applications requiring adhesion to low energy surfaces, low migration, and excellent die-cutting characteristics.

- DPX-671 SIS/SI is offered as a dense pellet supplied from the United States.

Polymer Properties	Test Method	Unit	Typical Value (1)
Specific Gravity	ASTM D792	-	0.93
Hardness (2)	ASTM D2240	Shore A	22
Tensile at Break (3)	ISO 37	MPa	0.98
Stress at 300% Elongation (3)	ISO 37	MPa	0.26
Elongation at Break (3)	ISO 37	%	1475
Solution Viscosity (4)	ASTM D2196	cP	1562

Sales Specification	Test Method	Unit	Range	
			Min	Max
Styrene	TSRC Method	wt%	7	12
Diblock Content	TSRC Method	wt%	68	87
Volatile Matter	TSRC Method	wt%	0.0	0.5
Ash	ASTM D5630	wt%	0.25	0.5
Melt Flow Rate (200°C/5kg)	ASTM D1238	g/10 min	8	21

1) Typical values intended only as guides and should not to be construed as specifications
2) Dwell time - 1 second
3) Roll-milled, compression-molded plaques
4) 25 wt% in Toluene; 25°C

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