

ARCEL® 640 (2.50 pcf)

Polystyrene + PE
NOVA Chemicals

Message:

ARCEL® 640 (2.50 pcf) is a Polystyrene + PE (PS+PE) material. It is available in North America for foam processing.
Typical application of ARCEL® 640 (2.50 pcf): Foam

General Information			
Features	Expandable		
Uses	Foam		
Appearance	White		
Forms	Spheres		
Processing Method	Foam Processing		
Physical	Nominal Value	Unit	
Density	0.0400	g/cm³	
Particle Size - 98%	0.700 to 1.40	mm	
VOC Content			
Pentane	9.2	%	
Plasticizer	0.30	%	
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength (5.0% Strain)	0.403	MPa	ASTM C203
Compressive Strength			ASTM D1621
25% Strain	0.230	MPa	
50% Strain	0.290	MPa	
75% Strain	0.490	MPa	
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	0.527	MPa	ASTM D412
Tensile Elongation (Break)	11	%	ASTM D412
Flammability	Nominal Value	Unit	Test Method
Burning Rate	57	mm/min	FMVSS 302

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Recommended distributors for this material

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