

## RANPELEN SEP-750

## PP RANDOM TERPOLYMER

### General Information

#### Description

SEP-750 is random terpolymer polypropylene resin for expandable polypropylene (EPP) beads foam applications. This grade is designed to be processed in conventional mini pellet for wide range of EPP products. SEP-750 offers low steam pressure in the steam chest molding process and molded articles provides extremely good heat welding property, softness, elasticity and high impact resistance.

#### Applications

- ◆ Foam beads for acoustic absorber in constructions
- ◆ Foam beads for protective packages for high value goods

### Physical Properties<sup>1</sup>

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	7.0	g/10min		
Density	ASTM D792	0.90	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ASTM D638	220	kgf/cm <sup>2</sup>	22	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	7,500	kgf/cm <sup>2</sup>	740	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23℃)	ASTM D256	10.0	kgf-cm/cm	98	J/m
Notched Izod Impact Strength (-10℃)	ASTM D256	2.5	kgf-cm/cm	25	J/m
<b>Thermal</b>					
VICAT Softening Point	ASTM D1525	115	℃		
<b>Additional Properties</b>					
Flammability	UL94	HB			

#### NOTE

ISO 9001, 14001, /TS 16949

<sup>1</sup> Physical Properties : these are not to be construed as specifications

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#### Applications

- ◆ Foam beads for acoustic absorber in constructions
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### Physical Properties<sup>1</sup>

Physical	Test Method	Nominal Values			
Melt Flow Index	ISO 1133	7.0	g/10min		
Density	ISO 1183	0.90	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ISO 527-1	200	kgf/cm <sup>2</sup>	20	MPa
Tensile Strain (Break)	ISO 527-1	>100	%	>100	%
Flexural Modulus	ISO 178	6,500	kgf/cm <sup>2</sup>	640	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23℃)	ISO 180	9.0	kgf-cm/cm	88	J/m
Notched Izod Impact Strength (-10℃)	ISO 180	2.0	kgf-cm/cm	20	J/m
<b>Thermal</b>					
VICAT Softening Point	ISO 306	115	℃		
<b>Additional Properties</b>					
Flammability	UL94	HB			

#### NOTE

ISO 9001, 14001, /TS 16949

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