

RANPELEN SEP-550H

Polypropylene Random Copolymer

Lotte Chemical Corporation

Message:

SEP-550H is a polypropylene random copolymer 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-550H offers low steam pressure in the steam chest molding process and molded articles provides extremely good heat welding property, stiffness, elasticity and high impact resistance.

General Information			
Features	Good Stiffness		
	High Impact Resistance		
	Random Copolymer		
Uses	Foam		
Processing Method	Foam Processing		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.5	MPa	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Flexural Modulus	932	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-10°C	20	J/m	
23°C	54	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648

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