

Product Texts

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. SEP-550H is a 'Phthalate-Free' product.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	7.5	g/10min	ISO 1133
ASTM Data			
Melt Flow Index, MFI	7.5	g/10min	ASTM D 1238

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	23	MPa	ISO 527
Strain at break	100	%	ISO 527
Flexural modulus, 23°C	780	MPa	ISO 178
ASTM Data			
Tensile Strength at Yield	24	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	930	MPa	ASTM D 790
Izod Impact notched, 1/8 in	54	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	20	J/m	ASTM D 256
Temperature	-10	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	75	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	95	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	900	kg/m ³	ISO 1183
Density	900	kg/m ³	ASTM D 792

Characteristics

Delivery form

Pellets

Applications

Automotive, Packaging

Special Characteristics

High impact or impact modified

Regional Availability

North America, Europe, Asia Pacific

Features

Foamable, Weldable, Copolymer, Random Copolymer