Moplen EP642S

Polypropylene, Impact Copolymer

Product Description

Moplen EP642S is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for having an optimized balance of stiffness and toughness. Typical applications include injection molding of Thin Wall Containers and other housewares, and as base resin for compounding.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Injection Molding
Features	Impact Copolymer, High Flow , High Heat Resistance , Good Processability, High Stiffness
Typical Customer Applications	Housewares, Opaque Containers

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity	ASTM D 792	0.9	g/cm³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	37	g/10 min
Note: ASTM D1238L			
Mechanical			
Flexural Modulus	ASTM D 790	16000	kg/cm²
Tensile Strength @ Yield	ASTM D 638	280	kg/cm²
Impact			
Notched Izod Impact	ASTM D 256		
(23 °C)		8	kg-cm/cm
(-20 °C)		4	kg-cm/cm
Hardness			
Rockwell Hardness (R Scale)	ASTM D 785	98	
Thermal			
Vicat softening point	ASTM D 1525	150	ccmil/100in²at-d
Heat deflection temperature at 0.46 N/mm2	ASTM D 648	125	°C

Notes

Typical properties; not to be construed as specifications.