

ASI POLYSTYRENE PS 3010-01

High Impact Polystyrene

A. Schulman Inc.

Message:

PS 3010-01 is a high impact grade of polystyrene characterized by good impact and processability. PS 3010 is widely used in the manufacture of housewares, toys, containers, appliance parts, speaker housings, and various types of extrusions.

General Information			
UL YellowCard	E51193-511303		
Features	Good Impact Resistance		
	Good Processability		
Uses	Appliance Components		
	Containers		
	Household Goods		
	Housings		
	Toys		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (L-Scale)	47		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1590	MPa	ASTM D638
Tensile Strength (Break)	26.9	MPa	ASTM D638
Tensile Elongation (Break)	45	%	ASTM D638
Flexural Modulus	1930	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	81.1	°C	ASTM D648
Vicat Softening Temperature	85.0	°C	ASTM D1525

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