

ISOPAK® 513

Acrylonitrile Butadiene Styrene

Great Eastern Resins Industrial Co., Ltd. (GRECO)

Message:

General Purpose Injection Grade

General Information			
Features	General		
Uses	General		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	15 - 19	g/10 min	ASTM D1238
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C, 3.18 mm)	52.0	MPa	ASTM D638
Flexural Modulus ¹ (23°C)	2940	MPa	ASTM D790
Flexural Strength ² (Yield, 23°C)	86.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	160	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	91.0	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.6 mm)	HB		UL 94
NOTE			
1.	2.8 mm/min		
2.	2.8 mm/min		

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