

DIOKİ HIPS 810[®]

dioki

HIGH IMPACT POLYSTYRENE

MATERIAL DESCRIPTION

DIOKİ HIPS 810[®] is high impact polystyrene specially developed for injection molding.

DIOKİ HIPS 810[®] exhibits high melt flow properties, mould cavities fully filled up.

TECHNICAL PROPERTIES

Physical Properties	Standard Method	Value	Unit
Melt Flow Index (200 °C/ 5kg)	ASTM D 1238	8,0	g/10 min.
Thermal Properties	Standard Method	Value	Unit
Vicat Softening Temperature (Rate B, 10N)	ASTM D 1525	98	°C
Heat Distortion Temp. (Method B, 0.45 MPa)	ASTM D 648	81	°C
Mechanical Properties	Standard Method	Value	Unit
Tensile Properties	ASTM D 638		
Strength at Yield		18	
Strength at Break		17	MPa
Elongation at Break		67	%
Tensile Modulus		2000	MPa
Flexural Properties	ASTM D 790		
Strength		36	MPa
Modulus		2000	MPa
Izod Impact Resistance, Notched (23°C)	ASTM D 256	94	J/m
Processing Conditions	Value	Unit	
Processed in Melt Temperature Range	160-230	°C	
Mould Shrinkage	0,4-0,6	%	
Tool Temperature	20-60	°C	

Legal Information: The above information is given based on the knowledge and experience of Dioki Petrokimya staff. Any information contained herein shall not be construed as a part of legally binding offer.

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APPLICATION

Injection moulding of thin-walled moulded products, injection moulded technical components of high impact strength and bending properties.

STORAGE AND HANDLING

DIOKİ HIPS 810[®] is packed in polyethylene bags of 25 kg on wooden pallets having dimensions of 110 x 130 cm as 1 pallet net 1.375 kg. (Depend on the costumers demand, net 1.250 kg bigbag can be supplied) The pallets are covered and secured with stretch film.

DIOKİ HIPS 810[®] should be protected from direct sunlight and rain/water. If possible, it should stored in dry, cool and closed area.

Regards,

Dioki Petrochemical

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