# DIOKI HIPS 803®



## HIGH IMPACT POLYSTYRENE

## MATERIAL DESCRIPTION

DioKi HIPS 803® is high impact polystyrene has high impact strength and temperature resistance and specially developed for processing by extrusion and thermoforming.

## **TECHNICAL PROPERTIES**

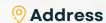
Physical Properties	Standard Method	Value	Unit
Melt Flow Index (200 °C/ 5kg)	ASTM D 1238	3,4	g/10 min.
Thermal Properties	Standard Method	Value	Unit
Vicat Softening Temperature (Rate B, 10N)	ASTM D 1525	102	°C
Heat Distortion Temp. (Method B, 0.45 MPa)	ASTM D 648	84	°C
Mechanical Properties	Standard Method	Value	Unit
Tensile Properties	ASTM D 638		
Strengh at Yield		18	
Strength at Break		21	MPa
Elongation at Break		70	%
Tensile Modulus		1800	MPa
Flexural Properties	ASTM D 790		
Strength		37	MPa
Modulus		1800	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**

Extruded and thermoformed products, mainly cups used for diary products, other thermoformed plastic containers used in food processing industry, mixing with DiOKi GPPS®/HIPS® grades, injection moulded products having small dimensions and thick walls, but it does not use with ABS and SAN plastomers.

## STORAGE AND HANDLING

Dioki Petrochemical

DİOKİ HIPS 803<sup>®</sup> 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.

DiOKi HIPS 803® should be protected from direct sunlight and rain/water. If possible, it should stored in dry, cool and closed area.

Regards,

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