

DIOKI GPPS 603[®]

dioki

GENERAL PURPOSE POLYSTYRENE

MATERIAL DESCRIPTION

DIOKI GPPS 603[®] is transparent general purpose polystyrene exhibiting good melt flow properties.

DIOKI GPPS 603[®] is basically intended for extrusion, foam extrusion and injection moulding of thick-walled moulded products. This polystyrene grade is characterized by good thermal and dimensional stability of moulded products.

TECHNICAL PROPERTIES

Physical Properties	Standard Method	Value	Unit
Melt Flow Index (200 °C/ 5kg)	ASTM D 1238	2,8	g/10 min.
Density	ISO 1183	1040	kg/m ³
Thermal Properties	Standard Method	Value	Unit
Vicat Softening Temperature (Rate B, 10N)	ASTM D 1525	107	°C
Heat Distortion Temp. (Method B, 0.45 MPa)	ASTM D 648	93	°C
Mechanical Properties	Standard Method	Value	Unit
Tensile Properties	ASTM D 638		
Strength at Break		44	MPa
Elongation at Break		1,6	%
Tensile Modulus		3200	MPa
Flexural Properties	ASTM D 790		
Strength		92	MPa
Modulus		3225	MPa
Izod Impact Resistance, Notched (23°C)	ASTM D 256	12	J/m
Processing Conditions	Value	Unit	
Processed in Melt Temperature Range	180-230	°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

Production of foamed extruded polystyrene panels (XPS), in various foam applications, packaging in cosmetics, shower cabin and medicine, mixing with other **DIOKI GPPS[®]/HIPS[®]** grades.

STORAGE AND HANDLING

DIOKI GPPS 603[®] is packed in polyethylene bags of 25 kg on wooden pallets having dimensions of 110x130 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 GPPS 603[®] 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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