

MATERIAL DESCRIPTION

DIOKI GPPS 610[®] is transparent general purpose polystyrene exhibiting excellent optical properties, good melt flow properties.

DIOKI GPPS 610[®] is especially intended for injection moulding of thin-walled products having good optical properties. This polystyrene grade exhibits excellent processability with short processing cycles.

TECHNICAL PROPERTIES

Physical Properties	Standard Method	Value	Unit
Melt Flow Index (200 °C/ 5kg)	ASTM D 1238	11	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	95	°C
Heat Distortion Temp. (Method B, 0.45 MPa)	ASTM D 648	82	°C
Mechanical Properties	Standard Method	Value	Unit
Tensile Properties	ASTM D 638		
Strength at Break		37,5	MPa
Elongation at Break		1,2	%
Tensile Modulus		3150	MPa
Flexural Properties	ASTM D 790		
Strength		72	MPa
Modulus		3120	MPa
Izod Impact Resistance, Notched (23°C)	ASTM D 256	11,5	J/m
Processing Conditions	Value	Unit	
Processed in Melt Temperature Range	170-230	°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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DIOKI GPPS 610[®]

dioki

GENERAL PURPOSE POLYSTYRENE

APPLICATION

XPS, Manufacture of injection moulded, thin-walled, general purpose products, internal refrigerator parts, toys, packaging in cosmetics and medicine, toys.

STORAGE AND HANDLING

DIOKI GPPS 610[®] 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 GPPS 610[®] 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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