Desmopan DP 3973D

Glass fiber reinforced grades/Shore hardness D 72-74

Injection molding grade; 30 % Glass fiber reinforced;
Higher heat resistance; higher modulus;
Application: Automotive; engineering parts

Mechanical properties (23 ºC)

Property	Test condition	Unit	Standard	Typical Value
Shore hardness, method D			ISO 868	72
Ultimate tensile strength	200 mm/min	MPa	ISO 527 -1, -3	68
Elongation at break	200 mm/min	%	ISO 527 -1, -3	20
Flexural Modulus	2 mm/min	Mpa	ISO 178	1900

Other properties (23 ºC)

Density	Kg/m³	ISO 1183	1430
Deflection Temperature Under Load (at 0.45 Mpa)	ºC	ISO 75-1,2	134

Moulding conditions

Injection moulding-Melt temperature	ºC		205-230
Injection moulding-Mould temperature	ºC		40- 50
Maximum drying Temperature	ºC		110

Disclaimer

Disclaimer for Sales products

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Typical values

Unless specified to the contrary, the values given are typical values which have been established on standardized test specimens at room temperature. The figures should be regarded as guide values only and not as binding material specification or warranted properties. Values can be varied to a considerable extent depending on the design of the mold/die, the processing conditions and coloring of the product.

Processing note

Under the recommended processing conditions small quantities of decomposition product may be given off during processing. To preclude any risk to the health and well-being of the machine operatives, tolerance limits for the work environment must be ensured by the provision of efficient exhaust ventilation and fresh air at the workplace in accordance with the Material Safety Data Sheet. In order to prevent the partial decomposition of the polymer and the generation of volatile decomposition products, the prescribed processing temperatures should not be substantially exceeded.

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