Desmopan 392LS

300 grade series, ester / Shore hardness A 90-94

Injection molding grade; hydrolysis-stabilised; high mechanical strength;
Application; Technical parts, Screen packs, seals etc.

Property	Test condition	Unit	Standard	Typical Value
Mechanical properties (23 °C)				
Shore hardness, method A			ISO 868	92
Shore hardness, method D			ISO 868	40
Stress at 100% strain	200 mm/min	MPa	ISO 527 -1, -3	7.5
Stress at 300% strain	200 mm/min	MPa	ISO 527 -1, -3	18
Ultimate tensile strength	200 mm/min	MPa	ISO 527 -1, -3	49
Elongation at break	200 mm/min	%	ISO 527 -1, -3	475
Compression set	24 h, 70 °C	%	ISO 815	44
Compression set	72 h, 23 °C	%	ISO 815	24
Abrasion resistance		mm^3	ISO 4649	35
Impact resilience		%	ISO 4662	49
Tear propagation resistance	500 mm/min	kN/m	ISO 34-1	86
Other properties (23 °C)				
Density		Kg/m^3	ISO 1183	1200
Moulding conditions				
Injection moulding-Melt temperature		°C		180-210
Injection moulding-Mould temperature		°C		20-40
Maximum drying Temperature		°C		90

Disclaimer

Disclaimer for Sales products

This information and our technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our information and advice does not release you from the obligation to test our products to determine to your own satisfaction whether they are suitable for the intended processes, uses and product lifetime. This application-specific test must at least include testing to determine the suitability from a technical as well as health, safety and environmental standpoint. Such testing has not necessarily been done by us. The application, use and processing of our products and the products manufactured by you on the basis of our technical data or advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery. With respect to health, safety and environment precautions, the relevant Material Safety Data Sheets (MSDS) and the instructions on the product labels/packaging should be read and adhered to prior to working with our products.

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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