

VECTRA® T.rex541 | LCP | Specialty

Description

Extrusion/Thermoforming

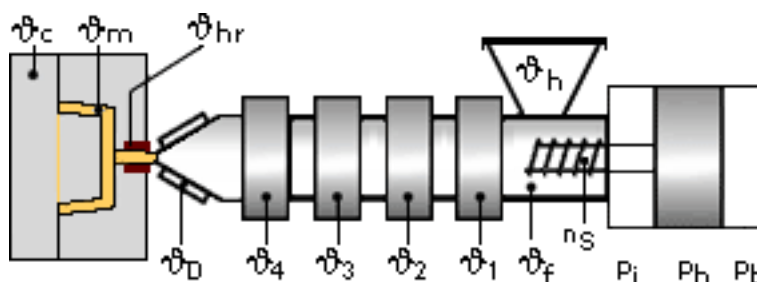
Chemical abbreviation according to ISO 1043-1 : LCP
Inherently flame retardant

Physical properties	Value	Unit	Test Standard
Density	1740	kg/m ³	ISO 1183

Mechanical properties	Value	Unit	Test Standard
Tensile modulus (1mm/min)	10700	MPa	ISO 527-2/1A
Tensile stress at break (5mm/min)	3	MPa	ISO 527-2/1A
Tensile stress at break (50mm/min)	110	MPa	ISO 527-2/1A
Flexural modulus (23°C)	11700	MPa	ISO 178
Flexural strength (23°C)	130	MPa	ISO 178
Charpy impact strength @ 23°C	25.3	kJ/m ²	ISO 179/1eU
Notched impact strength (Izod) @ 23°C	8.0	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
Melting temperature (10°C/min)	357	°C	ISO 11357-1,-2,-3
DTUL @ 1.8 MPa	245	°C	ISO 75-1/-2

Typical injection moulding processing conditions



Pre Drying:

Necessary low maximum residual moisture content: 0.01%

Drying time: 6 h

Drying temperature: 150 - 150 °C

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Properties of molded parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure. Any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use.

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